

April 5, 2001

Mr. Charles H. Cruse  
Vice President - Nuclear Energy  
Calvert Cliffs Nuclear Power Plant, Inc.  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 -  
AMENDMENT RE: OVERTIME CONTROLS (TAC NOS. MB0953 AND MB0954)

Dear Mr. Cruse:

The Commission has issued the enclosed Amendment No. 245 to Renewed Facility Operating License No. DPR-53 and Amendment No. 219 To Renewed Facility Operating License No. DDP-69 for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. This amendment consists of changes to the Technical Specifications (TSs) in response to your application transmitted by letter dated December 21, 2000, as supplemented by letters dated February 12, 2001, and March 5, 2001.

The amendments revise TS 5.2.2.e by removing the reference to the Nuclear Regulatory Commission Policy Statement on working hours.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular biweekly *Federal Register* notice.

Sincerely,

*/RA/*

Donna Skay, Project Manager, Section 1  
Project Directorate 1  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosures: 1. Amendment No. 245 To DPR-53  
2. Amendment No. 219 To DPR-69  
3. Safety Evaluation

cc w/encls: See next page

April 5, 2001

Mr. Charles H. Cruse  
Vice President - Nuclear Energy  
Calvert Cliffs Nuclear Power Plant, Inc.  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 -  
AMENDMENT RE: OVERTIME CONTROLS (TAC NOS. MB0953 AND MB0954)

Dear Mr. Cruse:

The Commission has issued the enclosed Amendment No. 245 to Renewed Facility Operating License No. DPR-53 and Amendment No. 219 To Renewed Facility Operating License No. DDP-69 for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. This amendment consists of changes to the Technical Specifications (TSs) in response to your application transmitted by letter dated December 21, 2000, as supplemented by letters dated February 12, 2001, and March 5, 2001.

The amendments revise TS 5.2.2.e by removing the reference to the Nuclear Regulatory Commission Policy Statement on working hours.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular biweekly *Federal Register* notice.

Sincerely,  
*/RA/*

Donna Skay, Project Manager, Section 1  
Project Directorate 1  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

- Enclosures: 1. Amendment No. 245 To DPR-53
- 2. Amendment No. 219 To DPR-69
- 3. Safety Evaluation

cc w/encls: See next page

Distribution:

PUBLIC	S. Little	G. Hill (2), T-5 C3	ACRS	MGamberoni
PDI-1 Reading	D. Skay	W. Beckner, 013H3	OGC	L. Doerflein, RGN 1

Accession Number: ML01044078

\*See previous concurrence

OFFICE	PDI-1/LA	PDI-1/PM	IOLB *	OGC *	PDI-1/SC
NAME	SLittle	DSkay		SUttal	MBanerjee for MGamberoni
DATE	3/7/01	3/7/01	3/9/01	3/29/01	4/7/01

OFFICIAL RECORD COPY

Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 and 2

President  
Calvert County Board of  
Commissioners  
175 Main Street  
Prince Frederick, MD 20678

James P. Bennett, Esquire  
Counsel  
Constellation Energy Group  
P.O. Box 1475  
Baltimore, MD 21203

Jay E. Silberg, Esquire  
Shaw, Pittman, Potts, and Trowbridge  
2300 N Street, NW  
Washington, DC 20037

Mr. Bruce S. Montgomery, Director  
NRM  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702

Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 287  
St. Leonard, MD 20685

Mr. Richard I. McLean, Manager  
Nuclear Programs  
Power Plant Research Program  
Maryland Dept. of Natural Resources  
Tawes State Office Building, B3  
Annapolis, MD 21401

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Joseph H. Walter, Chief Engineer  
Public Service Commission of  
Maryland  
Engineering Division  
6 St. Paul Centre  
Baltimore, MD 21202-6806

Kristen A. Burger, Esquire  
Maryland People's Counsel  
6 St. Paul Centre  
Suite 2102  
Baltimore, MD 21202-1631

Patricia T. Birnie, Esquire  
Co-Director  
Maryland Safe Energy Coalition  
P.O. Box 33111  
Baltimore, MD 21218

Mr. Loren F. Donatell  
NRC Technical Training Center  
5700 Brainerd Road  
Chattanooga, TN 37411-4017

CALVERT CLIFFS NUCLEAR POWER PLANT, INC.

DOCKET NO. 50-317

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 1

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment No. 245  
Renewed License No. DPR-53

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Calvert Cliffs Nuclear Power Plant, Inc. (the licensee) dated December 21, 2000, as supplemented on February 12, 2001, and March 5, 2001, 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 Renewed 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. 245 , 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 and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

*/RA/*

Maitri Banerjee, Acting Chief, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: April 5, 2001

CALVERT CLIFFS NUCLEAR POWER PLANT, INC.

DOCKET NO. 50-318

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment No. 219  
Renewed License No. DPR-69

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Calvert Cliffs Nuclear Power Plant, Inc. (the licensee) dated December 21, 2000, as supplemented on February 12, 2001, and March 5, 2001, 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 Renewed Facility Operating License No. DPR-69 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 219 , 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 and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

*/RA/*

Maitri Banerjee, Acting Chief, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: April 5, 2001

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 245 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-53

AMENDMENT NO. 219 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-69

DOCKET NOS. 50-317 AND 50-318

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove Pages

5.0-3  
5.0-4  
5.0-5\*  
5.0-6\*  
5.0-7\*  
5.0-8\*  
5.0-9\*  
5.0-10\*  
5.0-11\*  
5.0-12\*  
5.0-13\*  
5.0-14\*  
5.0-15\*  
5.0-16\*  
5.0-17\*  
5.0-18\*  
5.0-19\*  
5.0-20\*  
5.0-21\*  
5.0-22\*  
5.0-23\*  
5.0-24\*  
5.0-25\*  
5.0-26\*  
5.0-27\*  
5.0-28\*  
5.0-29\*  
5.0-30\*  
5.0-31\*  
5.0-32\*  
5.0-33\*  
5.0-34\*  
5.0-35\*  
5.0-36\*

Insert Pages

5.0-3  
5.0-4  
5.0-5\*  
5.0-6\*  
5.0-7\*  
5.0-8\*  
5.0-9\*  
5.0-10\*  
5.0-11\*  
5.0-12\*  
5.0-13\*  
5.0-14\*  
5.0-15\*  
5.0-16\*  
5.0-17\*  
5.0-18\*  
5.0-19\*  
5.0-20\*  
5.0-21\*  
5.0-22\*  
5.0-23\*  
5.0-24\*  
5.0-25\*  
5.0-26\*  
5.0-27\*  
5.0-28\*  
5.0-29\*  
5.0-30\*  
5.0-31\*  
5.0-32\*  
5.0-33\*  
5.0-34\*  
5.0-35\*  
5.0-36\*



Remove Pages

5.0-37\*  
5.0-38\*  
5.0-39\*  
5.0-40\*  
5.0-41\*

Insert Pages

5.0-37\*  
5.0-38\*  
5.0-39\*  
5.0-40\*  
5.0-41\*

\* Pages that did not change but are overleaf

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 245 TO RENEWED

FACILITY OPERATING LICENSE NO. DPR-53

AND AMENDMENT NO. 219 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-69

CALVERT CLIFFS NUCLEAR POWER PLANT, INC.

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

DOCKET NOS. 50-317 AND 50-318

1.0 INTRODUCTION

By letter dated December 21, 2000, as supplemented on February 12, 2001, and March 5, 2001, the Calvert Cliffs Nuclear Power Plant, Inc. (the licensee) submitted a request for changes to the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 Technical Specifications (TSs). The requested changes would replace the reference to the NRC's Policy Statement concerning plant staff working hours (Generic Letter (GL) 82-12) with requirements for (1) administrative controls that ensure adequate shift coverage is maintained without routine heavy use of overtime for individuals, (2) authorization by the Plant General Manager or a designee for deviations from the working hour guidelines, and (3) periodic reviews to ensure that excessive hours have not been assigned.

The February 12, 2001, and March 5, 2001, letters provided clarifying information that did not change the initial proposed no significant hazards consideration determination.

2.0 EVALUATION

On February 11, 1982, the NRC published (47 FR 7352) the "Policy on Factors Causing Fatigue of Operating Personnel at Nuclear Reactors." In June 1982, the NRC revised the policy and subsequently disseminated the revision in GL 82-12, "Nuclear Plant Staff Working Hours," which recommended that licensees incorporate specific working hour limits in plant TSs to minimize the potential for personnel errors resulting from fatigue. The staff subsequently determined that few events at U.S. nuclear power plants have been attributed to inadequate control of working hours and that control of working hours through administrative procedures provides reasonable assurance that personnel overtime will not jeopardize safe plant operation. Control of overtime through administrative procedures is consistent with Action Item I.A.1.3.1, "Limit Overtime," of NUREG-0737, "Clarification of TMI Action Plan Requirements." Specific working hour limits are not otherwise required to be included in TSs under 10 CFR 50.36(c)(5).

In addition to the requirement for administrative controls to limit the working hours of unit staff who perform safety-related functions, the proposed amendments require authorization of deviations from the working hour guidelines and periodic reviews of overtime use to ensure that excessive hours have not been assigned. These requirements are consistent with guidance provided in GL 83-02, "NUREG-0737 Technical Specifications," and NUREG-1434, Rev. 1, "Standard Technical Specifications General Electric Plants, BWR/6."

The NRC staff concludes that the specific controls for working hours of reactor plant staff can be described in a licensee procedure and that the licensee's established procedure control process will provide sufficient control for changes to that procedure. Accordingly, the staff finds the proposed amendment to the TSs to delete the reference to the NRC's Policy Statement concerning plant staff working hours and require administrative controls to limit working hours to be acceptable. The proposed changes requiring authorization of deviations from the working hour guidelines and periodic reviews of overtime use are consistent with current NRC guidance for the control of working hours and are accordingly found acceptable.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Maryland State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes record-keeping, reporting, or administrative procedures or requirements. Accordingly, this amendments meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendments.

### 5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: D. Skay

Date: April 5, 2001