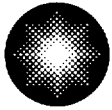


**Charles H. Cruse**  
Vice President  
Nuclear Energy

1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410 495-4455



**Constellation  
Nuclear**

**Calvert Cliffs  
Nuclear Power Plant**

*A Member of the  
Constellation Energy Group*

January 31, 2002

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
License Amendment Request: Minor Changes to Technical Specifications

Pursuant to 10 CFR 50.90, the Calvert Cliffs Nuclear Power Plant, Inc. (CCNPP) hereby requests an Amendment to Renewed Operating License Nos. DPR-53 and DPR-69 to correct several administrative errors.

The proposed changes are described in Attachment (1) and are shown in Attachment (3). The final Technical Specification pages may need renumbering to accommodate the insertion of these changes.

We have considered the possibility of significant hazards associated with these changes and have determined there are none (see Attachment 2 for a complete discussion). We have also determined that operation with the proposed changes would not result in any significant change in the types or amounts of any effluents that may be released offsite, nor would it result in any significant increase in individual or cumulative occupational radiation exposure. Therefore, the proposed amendment is eligible for categorical exclusion as set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment is needed in connection with the proposed amendment.

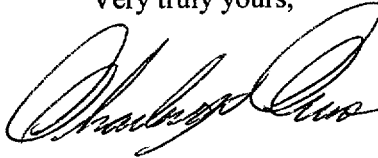
These proposed changes to the Technical Specifications and our determination of significant hazards have been approved by our Plant Operations and Safety Review Committee and Offsite Safety Review Committee, and they have concluded that operation with the proposed changes will not result in an undue risk to the health and safety of the public.

This change does not affect plant operation and, therefore, is requested to be approved by January 2003.

A001

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,



STATE OF MARYLAND :  
: TO WIT:  
COUNTY OF CALVERT :

I, Charles H. Cruse, being duly sworn, state that I am Vice President - Nuclear Energy, Calvert Cliffs Nuclear Power Plant, Inc. (CCNPP), and that I am duly authorized to execute and file this License Amendment Request on behalf of CCNPP. To the best of my knowledge and belief, the statements contained in this document are true and correct. To the extent that these statements are not based on my personal knowledge, they are based upon information provided by other CCNPP employees and/or consultants. Such information has been reviewed in accordance with company practice and I believe it to be reliable.



Subscribed and sworn before me, a Notary Public in and for the State of Maryland and County of CALVERT, this 31<sup>st</sup> day of JANUARY, 2002.

WITNESS my Hand and Notarial Seal:

  
Notary Public

My Commission Expires:

2/1/2006  
Date

CHC/MJY/bjd

Attachments: (1) Background and Analysis  
(2) Determination of Significant Hazards  
(3) Proposed Changes to Technical Specifications

cc: R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
D. M. Skay, NRC

H. J. Miller, NRC  
Resident Inspector, NRC  
R. I. McLean, DNR

**ATTACHMENT (1)**

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**BACKGROUND AND ANALYSIS**

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**ATTACHMENT (1)**  
**BACKGROUND AND ANALYSIS**

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**BACKGROUND**

Technical Specification 5.6.5.b, Item 16 lists the document title as "C-E Methodology for Core Designs Containing Erbium Burnable Absorbers" for Document Number CENPD-382-P-A. The official title of the report is "Methodology for Core Designs Containing Erbium Burnable Absorbers." Item 16 was submitted and approved with an incorrect title in License Amendment Nos. 186/163 (Reference 1). This request corrects that error.

Technical Specification 5.6.5.b, Item 19 lists the publication date for Document Number CEN-161-(B)-P, Supplement 1-P, "Improvements to Fuel Evaluation Model" as April 1989. The actual publication date of this document is April 1986. Item 19 was correctly submitted and approved in License Amendment Nos. 186/163 (Reference 1), however, the replacement Technical Specification pages contained an error on the year of the publication. This request corrects that error.

Technical Specification Appendix B, Page 2-1 (both units) states in the last paragraph that the effective National Pollution Discharge Elimination System (NPDES) Permit is issued by "the State of Maryland Department of Health and Mental Hygiene." This agency no longer exists and the Maryland Department of the Environment now issues the effective NPDES Permit. The Maryland Department of the Environment is the state agency responsible for regulation of matters involving water quality and aquatic biota.

**PROPOSED TECHNICAL SPECIFICATION CHANGES**

Technical Specification 5.6.5.b, Item 16 is proposed to be changed by correcting C-E Methodology for Core Designs Containing Erbium Burnable Absorbers to Methodology for Core Designs Containing Erbium Burnable Absorbers.

Technical Specifications 5.6.5.b, Item 19 is proposed to be changed by correcting the publication date from April 1989 to April 1986.

Technical Specifications Appendix B, Page 2-1 (both units) is proposed to be changed by revising the State of Maryland Department of Health and Mental Hygiene to the Maryland Department of the Environment.

**ANALYSIS**

Correction of a publication title in Technical Specification 5.6.5.b, Item 16 is an administrative change. Item 16 was submitted with an incorrect title and approved in Reference 1. This request corrects that error.

Correction of a publication date in Technical Specification 5.6.5.b.19 is an administrative change. Item 19 was correctly submitted and approved in Reference 1, however, we believe that during the typing of the replacement pages, an error was made on the year of the publication. The actual publication date of this document is April 1986. This request corrects that error.

Revision to a state organization title due to a change in that organization is an administrative change. The State of Maryland is still responsible for both regulation of matters involving water quality and aquatic biota, and the issuance of NPDES permits. The State of Maryland continues to maintain the regulatory responsibilities outlined in Technical Specification Appendix B, Section 2.0.

**ATTACHMENT (1)**

**BACKGROUND AND ANALYSIS**

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**REFERENCE**

1. Letter from Mr. Daniel G. McDonald (NRC) to Mr. Robert E. Denton (BGE), dated March 17, 1994, "Issuance of Amendments for Calvert Cliffs Nuclear Power Plant Unit No. 1 (TAC No. 87746) and Unit No. 2 (TAC No. M87747)

**ATTACHMENT (2)**

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**DETERMINATION OF SIGNIFICANT HAZARDS**

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**ATTACHMENT (2)**  
**DETERMINATION OF SIGNIFICANT HAZARDS**

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The proposed changes have been evaluated against the standards in 10 CFR 50.92 and have been determined to not involve a significant hazards consideration in that operation of the facility in accordance with the proposed amendments:

1. *Would not involve a significant increase in the probability or consequences of an accident previously evaluated.*

Technical Specification 5.6.5.b, Item 16 is being corrected to change the title of the publication for CENPD-382-P-A from "C-E Methodology for Core Designs Containing Erbium Burnable Absorbers" to "Methodology for Core Designs Containing Erbium Burnable Absorbers." Correction of an administrative error does not involve a significant increase in the probability or consequences of an accident previously evaluated.

Technical Specification 5.6.5.b, Item 19 is being corrected to change the date of publication for CEN-161-(B)-P, Supplement 1-P, "Improvements to Fuel Evaluation Model" from April 1989 to April 1986. Correction of an administrative error does not involve a significant increase in the probability or consequences of an accident previously evaluated.

Technical Specification Appendix B, Page 2-1, (both units) last paragraph is being corrected to change the State of Maryland Department of Health and Mental Hygiene to the Maryland Department of the Environment. The revision of a state organizational title to accurately reflect administrative changes made to that organization, does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. *Would not create the possibility of a new or different type of accident from any accident previously evaluated.*

Technical Specification 5.6.5.b, Item 16 is being corrected to change the title of publication for CENPD-382-P-A from "C-E Methodology for Core Designs Containing Erbium Burnable Absorbers" to "Methodology for Core Designs Containing Erbium Burnable Absorbers." Correction of an administrative error will not create the possibility of a new or different type of accident from any accident previously evaluated.

Technical Specification 5.6.5.b, Item 19 is being corrected to change the date of publication for CEN-161-(B)-P, Supplement 1-P, "Improvements to Fuel Evaluation Model" from April 1989 to April 1986. Correction of an administrative error will not create the possibility of a new or different type of accident from any accident previously evaluated.

Technical Specification Appendix B, Page 2-1, (both units) last paragraph is being corrected to change the State of Maryland Department of Health and Mental Hygiene to the Maryland Department of the Environment. The revision of a state organizational title to accurately reflect administrative changes made to that organization would not create the possibility of a new or different type of accident from any accident previously evaluated.

3. *Would not involve a significant reduction in the margin of safety.*

Technical Specification 5.6.5.b, Item 16 is being corrected to change the title of publication for CENPD-382-P-A from "C-E Methodology for Core Designs Containing Erbium Burnable Absorbers" to "Methodology for Core Designs Containing Erbium Burnable Absorbers." Correction of an administrative error will not involve a significant reduction in the margin of safety.

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**ATTACHMENT (2)**

**DETERMINATION OF SIGNIFICANT HAZARDS**

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April 1986. Correction of an administrative error will not involve a significant reduction in the margin of safety.

Technical Specification Appendix B, Page 2-1, (both units) last paragraph is being corrected to change the State of Maryland Department of Health and Mental Hygiene to the Maryland Department of the Environment. The revision of a state organizational title to accurately reflect administrative changes made to that organization will not involve a significant reduction in the margin of safety.



**ATTACHMENT (3)**

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**PROPOSED CHANGES TO TECHNICAL SPECIFICATIONS**

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**5.0-36**

**2-1 (Unit 1)**

**2-1 (Unit 2)**

5.6 Reporting Requirements

12. CENPD-206-P-A, Latest Approved Revision, "TORC Code, Verification and Simplified Modeling Methods"
13. CENPD-225-P-A, Latest Approved Revision, "Fuel and Poison Rod Bowing"
14. CENPD-266-P-A, Latest Approved Revision, "The ROCS and DIT Computer Code for Nuclear Design"
15. CENPD-275-P-A, Latest Approved Revision, "C-E Methodology for Core Designs Containing Gadolinia - Urania Burnable Absorbers"
16. CENPD-382-P-A, Latest Approved Revision, "C-E Methodology for Core Designs Containing Erbium Burnable Absorbers"
17. CENPD-139-P-A, Latest Approved Revision, "C-E Fuel Evaluation Model Topical Report"
18. CEN-161-(B)-P-A, Latest Approved Revision, "Improvements to Fuel Evaluation Model"
19. CEN-161-(B)-P, Supplement 1-P, "Improvements to Fuel Evaluation Model," April 1989 1986
20. Letter from Mr. S. A. McNeil, Jr. (NRC) to Mr. J. A. Tiernan (BG&E), dated February 4, 1987, Docket Nos. 50-317 and 50-318, "Safety Evaluation of Topical Report CEN-161-(B)-P, Supplement 1-P, Improvements to Fuel Evaluation Model"
21. CEN-372-P-A, Latest Approved Revision, "Fuel Rod Maximum Allowable Gas Pressure"
22. Letter from Mr. A. E. Scherer (CE) to Mr. J. R. Miller (NRC), dated December 15, 1981, LD-81-095, Enclosure 1-P, "C-E ECCS Evaluation Model Flow Blockage Analysis"

## 2.0 Environmental Protection Issues

In the FES-OL, the staff considered the environmental impacts associated with the operation of the Calvert Cliffs Plant. Certain environmental issues were identified which required study or license conditions to resolve environmental concerns and to assure adequate protection of the environment. The Appendix B Environmental Technical Specifications issued with the licenses included discharge restrictions and monitoring programs to resolve the issues. Prior to issuance of this EPP, the requirements remaining in the ETS were:

1. Protection of the aquatic environment by limiting the discharge of dissolved solids and acids and bases and an annual inventory of treatment chemicals added or used in the plant. (ETS 2.2.1, 2.2.2)
2. Surveillance programs for fish, crabs and oysters, and water quality to establish impact of plant operation on the aquatic environment. (ETS 3.1)
3. Special studies to document levels of intake entrainment and impingement in relation to the densities of important species in the plant vicinity. (ETS 3.1.2.b)

Aquatic issues are now addressed by the effluent limitations and monitoring requirements continued in the effective NPDES Permit issued by the ~~State of Maryland Department of Health and Mental Hygiene~~. The NRC will rely on this agency for regulation of matters involving water quality and aquatic biota.

Maryland Department of the Environment

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Maryland Department of the Environment