

March 15, 1995

Mr. Robert E. Denton  
Vice President - Nuclear Energy  
Baltimore Gas and Electric Company  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657

SUBJECT: ENVIRONMENT ASSESSMENT OF EXEMPTIONS REQUEST FROM 10 CFR PART 50,  
APPENDIX J - CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2  
(TAC NO. M91630)

Dear Mr. Denton:

Enclosed for your information is a copy of the Environmental Assessment and Finding of No Significant Impact. This notice relates to Baltimore Gas and Electric Company's (BG&E) letter dated February 24, 1995, in which BG&E requested two exemptions for Calvert Cliffs Nuclear Power Plant, Unit No. 2 (CC-2). The first exemption request is for a one-time only schedular exemption to extend the interval between the first and second Type A test during the second 10-year service period. The second exemption request would extend the current service period to 12 years allowing the third Type A test to be performed during the spring of 1999 refueling outage.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by

Daniel G. McDonald, Senior Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-318

Enclosure: Environmental Assessment

cc w/encl: See next page

Distribution:

Docket File	JZwolinski	OGC	CCowgill, RGN-I
PUBLIC	LMarsh	E. Jordan, D/AEOD	
PDI-1 Reading	CVogan	ACRS (4)	
SVarga	DMcDonald	OPA	

DOCUMENT NAME: G:\CC1-2\CC291630.ENV

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	LA:PDI-1	<input checked="" type="checkbox"/>	PM:PDI-1	<input checked="" type="checkbox"/>	D:PDI-1	<input checked="" type="checkbox"/>	OGC		
NAME	CVogan <i>w</i>		DMcDonald:smm		LMarsh <i>LM</i>		EHaller C MARCO		
DATE	03/15/95		03/15/95		03/15/95		03/15/95		03/ /95

OFFICIAL RECORD COPY

200003

9503200369 950315  
PDR ADOCK 05000318  
P PDR

THIS IS A COPY COPY

*DFD*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 15, 1995

Mr. Robert E. Denton  
Vice President - Nuclear Energy  
Baltimore Gas and Electric Company  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657

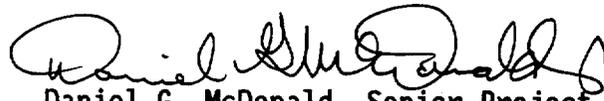
SUBJECT: ENVIRONMENT ASSESSMENT OF EXEMPTIONS REQUEST FROM 10 CFR PART 50,  
APPENDIX J - CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2  
(TAC NO. M91630)

Dear Mr. Denton:

Enclosed for your information is a copy of the Environmental Assessment and Finding of No Significant Impact. This notice relates to Baltimore Gas and Electric Company's (BG&E) letter dated February 24, 1995, in which BG&E requested two exemptions for Calvert Cliffs Nuclear Power Plant, Unit No. 2 (CC-2). The first exemption request is for a one-time only schedular exemption to extend the interval between the first and second Type A test during the second 10-year service period. The second exemption request would extend the current service period to 12 years allowing the third Type A test to be performed during the spring of 1999 refueling outage.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

  
Daniel G. McDonald, Senior Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-318

Enclosure: Environmental Assessment

cc w/encl: See next page

Mr. Robert E. Denton  
Calvert Cliffs Nuclear Power Plant

Calvert Cliffs Nuclear Power Plant  
Unit No. 2

cc:

Mr. Hagner Mister, President  
Calvert County Board of  
Commissioners  
175 Main Street  
Prince Frederick, MD 20678

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

D. A. Brune, Esquire  
General Counsel  
Baltimore Gas and Electric Company  
P.O. Box 1475  
Baltimore, MD 21203

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

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

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

Mr. G. L. Detter, Director, NRM  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-47027

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

Mr. Richard I. McLean  
Administrator - Radioecology  
Department of Natural Resources  
580 Taylor Avenue  
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

UNITED STATES NUCLEAR REGULATORY COMMISSION  
BALTIMORE GAS AND ELECTRIC COMPANY  
DOCKET NO. 318  
CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 2  
ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of exemptions from Facility Operating License No. DPR-69, issued to Baltimore Gas and Electric Company (the licensee), for operation of the Calvert Cliffs Nuclear Power Plant, Unit No. 2 (CC2) located in Calvert County, Maryland.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

This Environmental Assessment has been prepared to address potential environmental issues related to the licensee's application of February 24, 1995. The proposed action would exempt the licensee from: 1) the requirements of 10 CFR Part 50, Appendix J, Paragraph III.D.1.(a), to permit a one-time interval extension between the first and second Type A test (containment integrated leak rate test) for approximately 24 months from the spring 1995 refueling outage to the spring 1997 refueling outage and, 2) would extend the second 10-year service period to 12 years allowing the third Type A test to be performed during the spring 1999 refuelling outage.

The Need for the Proposed Action:

The proposed action is needed to permit the licensee to defer the Type A test from the spring 1995 refueling outage to the spring 1997 refueling outage, which will also result in extending the second 10-year service period to 12 years to allow the third Type A test to be performed, thereby deferring the cost of performing the tests and eliminating the time required to perform the test from the critical path schedule during the upcoming spring 1995 refueling outage. In addition, not performing the test during this outage will reduce the occupational radiation exposure which is consistent with the as low as reasonable achievable goal of the licensee's Radiation Protection Program.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed action and concludes that the one-time interval extension between the first and second Type A tests and the extension of the 10-year service period to 12 years would not increase the probability or consequences of accidents previously analyzed and the proposed exemptions would not affect facility radiation levels or facility radiological effluents. The licensee has analyzed the results of previous Type A tests performed at CC2. Although the first test was not successful, the licensee promptly identified and corrected the problems. As a result, the last three tests have been successful and have demonstrated good containment performance. The licensee will continue to be required to conduct the Type B and C local leak rate tests which, subsequent to the prompt corrective actions following the initial Type A test, have been shown to be the principal means of detecting containment leakage paths with the Type A

tests confirming the Type B and C test results. It is also noted that the licensee, as a condition of the proposed exemptions, will perform the visual containment inspection although it is only required by Appendix J to be conducted in conjunction with Type A tests. The NRC staff considers that these inspections, though limited in scope, provide an important added level of confidence in the continued integrity of the containment boundary. The change will not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential nonradiological impacts, the proposed action does involve features located entirely within the restricted area as defined in 10 CFR Part 20. It does not affect nonradiological plant effluents and has no other environmental impact. Accordingly, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed action.

Alternatives to the Proposed Action:

Since the Commission has concluded there is no measurable environmental impact associated with the proposed action, any alternatives with equal or greater environmental impact need not be evaluated. As an alternative to the proposed action, the NRC staff considered denial of the proposed action. Denial of the application would result in no change in current environmental impacts.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Calvert Cliffs Nuclear Power Plant, Unit No. 2.

Agencies and Persons Consulted:

In accordance with its stated policy, the NRC staff consulted with the Maryland State official regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

Based upon the environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated February 24, 1995, which is available for public inspection at the Commission's Public Document Room, The Gelman Building, 2120 L Street, NW., Washington, DC, and at the local public document room located at the Calvert County Library, Prince Frederick, Maryland 20678.

Dated at Rockville, Maryland, this 15th day of March 1995.

FOR THE NUCLEAR REGULATORY COMMISSION



Ledyard B. Marsh, Director  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation