

DCS MS-016

SEP 23 1982

Docket No. 50-317
and 50-318

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

Dear Mr. Lundvall:

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DBrinkman

ACRS (10)
OPA(Clare Miles)

The Commission has issued the enclosed Amendment Nos. 77 and 58 to Facility Operating License Nos. DPR-53 and DPR-69 for Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. These amendments consist of changes to the Technical Specifications in response to your applications dated June 17, July 30, August 2 and August 26, 1982.

These amendments revise the Technical Specifications Tables 3.7-4 which provide lists of safety related hydraulic shock suppressors (snubbers) which require periodic inspection and testing.

A copy of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,
Original signed by

Monte Conner for
David H. Jaffe, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures:

- 1. Amendment No. 77 to DPR-53
- 2. Amendment No. 58 to DPR-69
- 3. Safety Evaluation
- 4. Notice of Issuance

cc: See next page

F.R. NOTICE
AMENDMENT

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PDR ADDCK 05000317
P PDR

OFFICE	DL:ORB#3	DL:ORB#3	DL:ORB#3	OELD	ADOR		
SURNAME	PKreutzer	DJaffe:dd	RAClark		GLathas		
DATE	9/15/82	9/15/82	9/15/82	9/15/82	9/15/82		



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

Docket No. 50-317/30-312

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: BALTIMORE GAS AND ELECTRIC COMPANY, Calvert Cliffs Nuclear
Power Plant, Unit Nos. 1 and 2

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 Nos. 77 and 58.

Referenced documents have been provided PDR.

Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE	ORB#3:DL					
SURNAME	PMKreutzer/pn					
DATE	9/24/82					

Baltimore Gas and Electric Company

cc:

James A. Biddison, Jr.
General Counsel
Baltimore Gas and Electric Company
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Baltimore, MD 21203

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Shaw, Pittman, Potts and Trowbridge
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Nuclear Licensing Analysis Unit
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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. Ventura
Calvert Cliffs Project 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. S. M. Davis, 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: Regional Radiation Representative
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. Tiernan, Manager
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Mr. W. J. Lippold, Supervisor
Nuclear Fuel Management
Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
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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: 6/17/82, 7/70/82, 8/2/82, 8/26/82

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

Regional Administrator
Nuclear Regulatory Commission, Region I
Office of Executive Director for Operations
631 Park Avenue
King of Prussia, Pennsylvania 19406



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

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-317

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 77
License No. DPR-53

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Baltimore Gas & Electric Company (the licensee) dated June 17, July 30, August 2 and August 26, 1982 comply 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 applications, 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.

DESIGNATED ORIGINAL

Certified By _____

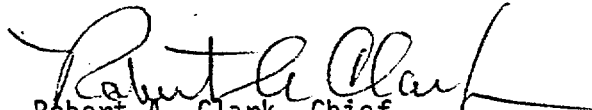
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-53 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 77 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


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

Attachment:
Changes to the
Technical Specifications

Date of Issuance: September 23, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 77

FACILITY OPERATING LICENSE NO. DPR-53

DOCKET NO. 50-317

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

Pages

3/4 7-32
3/4 7-33
3/4 7-34
3/4 7-58
3/4 7-59
3/4 7-60
3/4 7-61
3/4 7-62

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1-36-1	SUCTION #11 AUX. FEED PUMP 12'	A	No	No
1-36-1A	SUCTION #11 AUX. FEED PUMP 12'	A	No	No
1-38-4	PRESSURIZER SAMPLE LINES 38'	I	Yes	No
1-38-5	PRESSURIZER SAMPLE LINES 24'	I	Yes	No
1-38-6	PRESSURIZER SAMPLE LINES 37'	I	Yes	No
1-24-1	DIESEL GENERATOR #12 EXHAUST 92'	A	No	No
1-24-2	DIESEL GENERATOR #11 EXHAUST 92'	A	No	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u> (A or I)	<u>HIGH RADIATION ZONE**</u> (Yes or No)	<u>ESPECIALLY DIFFICULT TO REMOVE</u> (Yes or No)
1-24-3	EMERGENCY DIESEL #12 EXHAUST 61'	A	No	No
1-24-3A	EMERGENCY DIESEL #12 EXHAUST 61'	A	No	No
1-24-4	EMERGENCY DIESEL #11 EXHAUST 61'	A	No	No
1-24-4A	EMERGENCY DIESEL #11 EXHAUST 61'	A	No	No
1-24-5	DIESEL GENERATOR #21 EXHAUST 92'	A	No	No
1-24-6	DIESEL GENERATOR #21 EXHAUST 62'	A	No	No
1-24-6A	DIESEL GENERATOR #21 EXHAUST 62'	A	No	No
1-28-1	UNIT 1 AFW PUMP ROOM 22'	A	No	No
1-28-2	UNIT 1 AFW PUMP ROOM 22'	A	No	No
1-28-3	UNIT 1 AFW PUMP ROOM 22'	A	No	No
1-41-1	SUCTION #13 CHARGING PUMP -10'	A	No	No
1-41-2	AUX. SPRAY 65'	I	Yes	No
1-41-3	AUX. SPRAY 65'	I	Yes	No

CALVERT CLIFFS - UNIT 1

3/4 7-32

Amendment No. 77

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1-41-4	AUX. SPRAY 65'	I	Yes	No
1-41-5	AUX. SPRAY 49'	I	Yes	No
1-41-6	CHARGING LINE LOOP 12B 38'	I	Yes	No
1-41-7	CHARGING LINE LOOP 12B 46'	I	Yes	No
1-41-8	CHARGING LINE LOOP 12B 46'	I	Yes	No
1-41-9	CHARGING LINE LOOP 12B 46'	I	Yes	No
1-41-12	CHARGING LINE LOOP 11A 24'	I	Yes	No
1-41-13	CHARGING LINE LOOP 11A 24'	I	Yes	No
1-41-14	CHARGING LINE LOOP 11A 24'	I	Yes	No
1-41-15	CHARGING LINE LOOP 11A 24'	I	Yes	No
1-41-16	CHARGING LINE LOOP 11A 31'	I	Yes	No
1-41-17	CHARGING LINE LOOP 11A 34'	I	Yes	No
1-41-18	LETDOWN LINE 24'	I	Yes	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE	HIGH RADIATION ZONE**	ESPECIALLY DIFFICULT TO REMOVE
		(A or I)	(Yes or No)	(Yes or No)
1-45-1	FEEDWATER INLET TO S.G. #11 40'	I	Yes	No
1-45-1A	FEEDWATER INLET TO S.G. #11 40'	I	Yes	No
1-45-2	FEEDWATER INLET TO S.G. #12 50'	I	Yes	No
1-45-3	FEEDWATER INLET TO S.G. #12 55'	I	Yes	No
1-45-4	UNIT 1 MSIV PENETRATION RM 29'	A	No	No
1-45-5	OVERHEAD 5' UNDER MSIV ROOM 26'	I	No	Yes
1-45-6	AUX. FEEDWATER INLET TO S.G. #12 62'	I	Yes	No
1-45-7	AUX. FEEDWATER INLET TO S.G. #11 65'	I	Yes	No
1-45-7A	AUX. FEEDWATER INLET TO S.G. #11 65'	I	Yes	No
1-45-8	STEAM SUPPLY #12 AUX. FEED PUMP 12'	A	No	No
1-45-9	UNIT 1 MSIV PENETRATION RM 29'	A	No	No
1-45-10	UNIT 1 MSIV PENETRATION RM 29'	A	No	No
1-45-10A	UNIT 1 MSIV PENETRATION RM 29'	A	No	No

CALVERT CLIFFS - UNIT 1

3/4 7-34

Amendment No. 30, 31, 77

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1-64-98	RCP 11A and 11B MOTORS 56'	I	Yes	No
1-64-99	RCP 11A and 11B MOTORS 56'	I	Yes	No
1-64-100	RCP 12A and 12B MOTORS 56'	I	Yes	No
1-64-101	RCP 12A and 12B MOTORS 56'	I	Yes	No
1-64-102	RCP 12A and 12B MOTORS 56'	I	Yes	No
1-64-103	RCP 12A and 12B MOTORS 56'	I	Yes	No
1-67-1	#11 SPENT FUEL POOL COOL. PUMP SUCTION - RWT 27'	A	No	No
1-67-2	INLET - SPENT FUEL POOL COOLER #12 27'	A	No	No
1-67-2A	INLET - SPENT FUEL POOL COOLER #12 27'	A	No	No
1-67-3	WATER TO REFUELING POOL #11 38'	I	Yes	No
1-67-4	WATER TO REFUELING POOL #11 40'	I	Yes	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u> (A or I)	<u>HIGH RADIATION ZONE**</u> (Yes or No)	<u>ESPECIALLY DIFFICULT TO REMOVE</u> (Yes or No)
1-83-1	MAIN STEAM FROM S.G. #11 27'	A	No	Yes
1-83-2	MAIN STEAM FROM S.G. #11 27'	A	No	Yes
1-83-3	MAIN STEAM FROM S.G. #12 27'	A	No	Yes
1-83-4	MAIN STEAM FROM S.G. #12 27'	A	No	No
1-83-5	MAIN STEAM FROM S.G. #11 27'	A	No	Yes
1-83-6	MAIN STEAM FROM S.G. #12 27'	A	No	No
1-83-11	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-12	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-14	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-15	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-16	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-17	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-19	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes

CALVERT CLIFFS - UNIT 1

3/4 7-58

Amendment No. 28, 46, 77

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u> (A or I)	<u>HIGH RADIATION ZONE**</u> (Yes or No)	<u>ESPECIALLY DIFFICULT TO REMOVE</u> (Yes or No)
1-83-20	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-21	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-22	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-23	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-24	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
1-83-29	#11 AFPT STEAM SUPPLY HEADER 12'	A	No	No
1-83-30	MSIV #12 HYDRAULIC SUPPLY 5'	A	No	No
1-83-31	MSIV #12 HYDRAULIC SUPPLY 5'	A	No	No
1-83-32	MSIV #12 HYDRAULIC SUPPLY 5'	A	No	No
1-83-33	MSIV #12 HYDRAULIC SUPPLY 5'	A	No	No
1-83-34	MSIV #12 HYDRAULIC SUPPLY 27'	A	No	No
1-83-35	MSIV #12 HYDRAULIC SUPPLY 27'	A	No	No
1-83-36	MSIV #12 HYDRAULIC SUPPLY 27'	A	No	No
1-83-37	MSIV #12 HYDRAULIC SUPPLY 27'	A	No	No

CALVERT CLIFFS - UNIT 1

3/4 7-59

Amendment No. 77

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u> (A or I)	<u>HIGH RADIATION ZONE**</u> (Yes or No)	<u>ESPECIALLY DIFFICULT TO REMOVE</u> (Yes or No)
1-83-38	MS FROM S.G. #12 TO AUX. FEED PUMP 27'	A	No	No
1-83-40	MS FROM S.G. #12 TO AUX. FEED PUMP 27'	A	No	No
1-83-40A	MS FROM S.G. #12 TO AUX. FEED PUMP 27'	A	No	No
1-83-41	AUX. FEED PUMP ISO. VALVE BYPASS 27'	A	No	No
1-83-44	STEAM SUPPLY TO AUX. FEED PUMP 27'	A	No	No
1-83-47	AUX. FEED PUMP ISO. VALVE BYPASS 27'	A	No	No
1-83-48	AUX. FEED PUMP ISO. VALVE BYPASS 27'	A	No	No
1-83-49	MAIN STEAM LINE ENCAPSULATION 27'	A	No	Yes
1-83-50	MAIN STEAM LINE ENCAPSULATION 27'	A	No	Yes
1-83-51	MAIN STEAM LINE ENCAPSULATION 27'	A	No	Yes
1-83-52	MAIN STEAM LINE ENCAPSULATION 27'	A	No	Yes
1-83-53	MAIN STEAM LINE ENCAPSULATION 27'	A	No	Yes
1-83-54	MAIN STEAM LINE ENCAPSULATION 27'	A	No	No

CALVERT CLIFFS - UNIT 1

3/4 7-60

Amendment No. 77

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1-83-55	MAIN STEAM LINE ENCAPSULATION 27'	A	No	No
1-83-56	MAIN STEAM LINE ENCAPSULATION 27'	A	No	No
1-83-57	MAIN STEAM LINE ENCAPSULATION 27'	A	No	No
1-83-58	MAIN STEAM LINE ENCAPSULATION 27'	A	No	No
1-83-67	MAIN STEAM FROM S.G. #12 61'	I	Yes	No
1-83-69	MAIN STEAM FROM S.G. #12 61'	I	Yes	No
1-83-70	MAIN STEAM FROM S.G. #12 61'	I	Yes	No
1-83-71	MAIN STEAM FROM S.G. #12 61'	I	Yes	No
1-83-73	MSIV #11 HYDRAULIC SUPPLY 38'	A	No	No
1-83-74	MSIV #11 HYDRAULIC SUPPLY 38'	A	No	No

TABLE 3.7-4
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1-83-75	AUXILIARY STEAM ISOLATION VALVE BYPASS 32'	A	No	No
1-83-76	AUXILIARY FEED PUMP STEAM SUPPLY FROM S.G. #12 40'	A	No	No
1-83-76A	AUXILIARY FEED PUMP STEAM SUPPLY FROM S.G. #12 40'	A	No	No
1-83-77	AUXILIARY FEED PUMP STEAM SUPPLY FROM S.G. #12 40'	A	No	No
1-83-78	#11 AUXILIARY FEED PUMP TURBINE STEAM SUPPLY 16'	A	No	No

*Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4 provided that a revision to Table 3.7-4 is included with the next License Amendment request.

**Modification to this table due to changes in high radiation areas shall be submitted to the NRC as part of the next License Amendment request.

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

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-318

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 58
License No. DPR-69

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Baltimore Gas & Electric Company (the licensee) dated July 30, August 2 and August 26, 1982 comply 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 applications, 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.

DESIGNATED ORIGINAL

Certified By _____

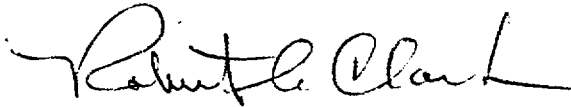
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.2 of Facility Operating License No. DPR-69 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 58 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



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

Attachment:
Changes to the
Technical Specifications

Date of Issuance: September 23, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 58

FACILITY OPERATING LICENSE NO. DPR-69

DOCKET NO. 50-318

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

Pages

3/4 7-31
3/4 7-32
3/4 7-33
3/4 7-51
3/4 7-51a
3/4 7-52(overleaf)
3/4 7-54

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE (A or I)	HIGH RADIATION ZONE** (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2-15-5	COMP. COOLING PUMP #22 DISCH. 18'-6"	A	No	Yes
2-15-6	COMP. COOLING PUMPS DISCH. HEADER 14'-5"	A	No	Yes
2-15-7	COMP. COOLING PUMPS DISCH. HEADER 14'-5"	A	No	Yes
2-15-8	COMP. COOLING TO LIQUID WASTE EVAP. 64'	A	No	No
2-15-9	COMP. COOLING TO LIQUID WASTE EVAP. 64'	A	No	No
2-36-1	STEAM SUPPLY TO #22 AUX. SGFP 12'	A	No	No
2-36-1A	STEAM SUPPLY TO #22 AUX. SGFP 12'	A	No	No
2-36-2	STEAM SUPPLY TO #21 AUX. SGFP 12'	A	No	No
2-36-2A	STEAM SUPPLY TO #21 AUX. SGFP 12'	A	No	No
2-36-3	UNIT 2 AFW PUMP ROOM 18'	A	No	No
2-36-4	AFW INLET TO #21 STEAM GENERATOR 65'	I	Yes	No
2-36-4A	AFW INLET TO #21 STEAM GENERATOR 65'	I	Yes	No
2-36-5	AFW INLET TO #22 STEAM GENERATOR 65'	I	Yes	No

CALVERT CLIFFS - UNIT 2

3/4 7-31

Amendment No. 28, 41, 58

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

CALVERT CLIFFS - UNIT 2	SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE (A or I)	HIGH RADIATION ZONE** (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
3/4 7-32 Amendment No. 58	2-41-1	CHARGING LINE OUTLET OF REGEN HEAT EXCHG 40'	I	Yes	No
	2-45-1	F.W. INLET TO #21 STEAM GENERATOR 40'-4"	I	Yes	No
	2-45-1A	F.W. INLET TO #21 STEAM GENERATOR 40'-4"	I	Yes	No
	2-45-2	F.W. INLET to #22 STEAM GENERATOR 55'	I	Yes	No
	2-45-3	F.W. INLET TO #22 STEAM GENERATOR 55'	I	Yes	No
	2-45-4	UNIT 2 MSIV PENETRATION RM 29'	A	No	No
	2-45-4A	UNIT 2 MSIV PENETRATION RM 29'	A	No	No
	2-45-5	UNIT 2 MSIV PENETRATION RM 29'	A	No	No
	2-45-6	UNIT 2 MSIV PENETRATION RM 29'	A	No	No
	2-45-7	OVERHEAD 5' UNDER MSIV ROOM 26'	I	No	Yes
	2-52-1	#21 S.I. PUMPS SUCTION FROM CONT. SUMP 5'-7"	A	No	No
	2-52-2	LPSI PUMP #21 SUCTION 0'-6"	A	No	No
	2-52-2A	LPSI PUMP #21 SUCTION 0'-6"	A	No	No
	2-52-3	LPSI PUMP #22 DISCHARGE 4'-0"	A	No	No
	2-52-3A	LPSI PUMP #22 DISCHARGE 4'-0"	A	No	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2-52-4	HPSI PUMP #22 SUCTION 5'-10"	A	No	No
2-52-5	HPSI PUMP #23 SUCTION 4'-9"	A	No	No
2-52-5A	HPSI PUMP #23 SUCTION 4'-9"	A	No	No
2-52-6	HPSI PUMP #23 SUCTION 3'-6"	A	No	No
2-52-7	HPSI PUMP #23 SUCTION 3'-6"	A	No	No
2-52-8	HPSI PUMP #23 SUCTION 5'-3"	A	No	No
2-52-9	S/D COOLING TO HPSI PUMP #23 SUCTION 3'-6"	A	No	No
2-52-10	LPSI PUMP #22 DISCHARGE 0'-6"	A	No	No
2-52-10A	LPSI PUMP #22 DISCHARGE 0'-6"	A	No	No
2-52-11	LPSI PUMP DISCHARGE HEADER 0'-6"	A	No	No
2-52-12	LPSI PUMP #22 SUCT. FROM SPENT FUEL POOL 18'-4"	A	No	No
2-52-13	LPSI PUMP DISCH HEADER TO SPENT FUEL POOL 20'-4"	A	No	No
2-52-13A	LPSI PUMP DISCH HEADER TO SPENT FUEL POOL 20'-4"	A	No	No
2-52-14	HPSI PUMP DISCHARGE HEADER 20'-2"	A	No	No

CALVERT CLIFFS - UNIT 2

3/4 7-33

Amendment No. 58

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2-52-15	LPSI PUMP DISCH HEADER TO #22 S.I. TANKS 18'-4"	A	No	No
2-52-16	LPSI DISCH TO S.I. TANK #22A 29'-0"	A	No	No
2-52-16A	LPSI DISCH TO S.I. TANK #22A 29'-0"	A	No	No
2-52-17	LPSI DISCH TO S.I. TANK #22B 29'-0"	A	No	No
2-52-17A	LPSI DISCH TO S.I. TANK #22B 29'-0"	A	No	No
2-52-18	LPSI PUMP SUCTION FROM S/D COOLING 1'-3"	A	No	No
2-52-19	S/D COOLING HDR TO LPSI PUMPS 1'-4"	A	No	No
2-52-20	S/D COOLING HDR TO LPSI PUMPS 0'-6"	A	No	No
2-52-20A	S/D COOLING HDR TO LPSI PUMPS 0'-6"	A	No	No
2-52-21	LPSI PUMP SUCTION FROM S/D COOLING 3'-4"	A	No	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE (A or I)	HIGH RADIATION ZONE** (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2-67-2A	SUPPLY TO REFUELING POOL #21 40'0"	I	Yes	No
2-67-3	RETURN LINE FROM REFUELING POOL #21 26'10"	I	Yes	No
2-67-4	RETURN LINE FROM REFUELING POOL #21 26'10"	I	Yes	No
2-71-8	UNIT 2 LOOP #22A DRAIN LINE 25'	I	Yes	No
2-83-1	MS PIPING FROM S/G #22 (UPSTREAM MSIV) 27'	A	No	No
2-83-2	MS PIPING FROM S/G #22 (UPSTREAM MSIV) 27'	A	No	No
2-83-2A	MS PIPING FROM S/G #22 (UPSTREAM MSIV) 27'	A	No	No
2-83-3	MS PIPING FROM S/G #21 (UPSTREAM MSIV) 27'	A	No	No
2-83-4	MS PIPING FROM S/G #21 (UPSTREAM MSIV) 27'	A	No	No
2-83-4A	MS PIPING FROM S/G #21 (UPSTREAM MSIV) 27'	A	No	No
2-83-13	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-13A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes

CALVERT CLIFFS - UNIT 2

3/4 7-51

Amendment No. 58

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

SNUBBER NO.	SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION	ACCESSIBLE OR INACCESSIBLE (A or I)	HIGH RADIATION ZONE** (Yes or No)	ESPECIALLY DIFFICULT TO REMOVE (Yes or No)
2-83-14	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-14A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-15	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-15A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-16	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-16A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-17	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-17A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-18	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-18A	MAIN STEAM LINE 27' PENETRATION TUNNEL	I	No	Yes
2-83-25	STEAM SUPPLY TO AUX. FEED PUMPS (UPSTREAM MOV 4071) 27'	A	No	No

CALVERT CLIFFS - UNIT 2

3/4 7-51a

Amendment No. 58

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2-83-25A	STEAM SUPPLY TO AUX. FEED PUMPS (UPSTREAM MOV 4071) 27'	A	No	No
2-83-26	STEAM TO AUX. FEED PUMPS (DOWN- STREAM MOV 4070) 27'	A	No	No
2-83-28	STEAM TO AUX. FEED PUMPS (UPSTEAM MOV 4070) 27'	A	No	No
2-83-29	MOV 4070 BY-PASS LINE 27'	A	No	No
2-83-29A	MOV 4070 BY-PASS LINE 27'	A	No	No
2-83-30	STEAM SUPPLY TO #22 AFP 27'	A	No	No
2-83-31	M.S. PIPING FROM S/G #22 45'	I	Yes	No
2-83-32	M.S. PIPING FROM S/G #22 45'	I	Yes	No
2-83-33	M.S. PIPING FROM S/G #22 45'	I	Yes	No
2-83-34	M.S. PIPING FROM S/G #22 45'	I	Yes	No
2-83-45	STEAM TO AUX. FEED PUMPS (DOWNSTREAM MOV 4070) 27'	A	No	No
2-83B-1	MSIV #22 HYDRAULIC SUPPLY 27'	A	No	No

TABLE 3.7-4

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
2-83B-2	MSIV #21 HYDRAULIC SUPPLY 27'	A	No	No
2-83B-3	MSIV #21 HYDRAULIC RETURN 27'	A	No	No

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4 provided that a revision to Table 3.7-4 is included with the next License Amendment request.

**Modifications to this table due to changes in high radiation areas shall be submitted to the NRC as part of the next License Amendment request.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 77 AND 58 TO

FACILITY OPERATING LICENSES NOS. DPR-53 AND DPR-69

BALTIMORE GAS AND ELECTRIC COMPANY

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NOS. 1 & 2

DOCKET NOS. 50-317 AND 50-318

Introduction

By application for license amendments dated June 17, July 30, August 2, and August 26, 1982, Baltimore Gas and Electric Company (BG&E) requested changes to the Calvert Cliffs Units 1 and 2 Technical Specifications (TS). These changes affect TS Tables 3.7-4 which provide lists of safety-related hydraulic shock suppressors (snubbers) which require periodic inspection and testing for Calvert Cliffs Units 1 and 2. The proposed changes would add and delete snubbers from TS Tables 3.7-4 and also correct a typographical error.

Discussion and Evaluation

1. Addition of Snubbers to TS Tables 3.7-4

By application for license amendment dated June 17, 1982, BG&E informed the NRC that a main steam line piping support review had indicated that twelve (12) safety-related snubbers had been omitted from the snubber surveillance program list in TS Tables 3.7-4. These snubbers are located at Unit 1 in the Main Steam Line Penetration Tunnel at the boundary between safety and nonsafety-related portions of this piping. BG&E further indicated that confusion over interpretation of the interface between safety and nonsafety-related portions of the system had led to the omission of the snubbers from the TS. The comparable list of twelve (12) snubbers at Unit 2 was identified by application for license amendment dated August 26, 1982.

The discovery of these safety-related snubbers which had been omitted from the TS prompted BG&E to perform an evaluation of all safety-related systems to determine if additional snubbers had been omitted. This review, performed by the BG&E Architect/Engineer, identified a total of fifteen (15) additional snubbers (seven (7) at Unit 2 and eight (8) at Unit 1) which should have been incorporated in the TS. These snubbers were identified in the July 30, 1982 application and consist of snubbers located in the Unit 1 Auxiliary Feedwater Pump Room (3), the Unit 1 MSIV Penetration Room (4), the Unit 1 Overhead

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5' Under MSIV Room (1), the Unit 2 Auxiliary Feedwater Pump Room (1), the Unit 2 MSIV Penetration Room (4), the Unit 2 Overhead 5' Under MSIV Room (1), and the Unit 2 Loop #22A Drain Line.

The applications for license amendments dated June 17 and August 26, 1982 requested that the safety related snubbers addressed above be incorporated in TS Tables 3.7-4. This action would make these snubbers subject to the Limiting Conditions for Operation (LCOs) and Surveillance Requirements (SRs) specified in TS 3/4.7.8, "Snubbers".

Incorporation of the recently identified safety-related snubbers into the existing snubber TS will provide substantial assurance that these snubbers will be capable of performing their design functions concerning the seismic protection of safety systems. Accordingly, it is appropriate to add these snubbers to TS Tables 3.7-4.

2. Deletion of Snubbers from TS Tables 3.7-4

By application for license amendments dated June 17 and August 26, 1982, BG&E requested that certain snubbers be deleted from TS Tables 3.7-4. These snubbers have been removed from their associated systems as a result of modifications to the main steam systems (four (4) Unit 1 snubbers) and the reactor head vent system (one (1) Unit 2 snubber). These modifications to safety systems were performed without prior Commission approval under the provisions of 10 CFR Part 50, Section 50.59, "Changes, tests and experiments". The deletion of the identified snubbers represents an administrative action in that it deletes the LCOs and SRs for equipment that has been removed. Deletion of these requirements has no effect on facility safety and is appropriate.

3. Correction of a Typographical Error

By application for license amendment dated August 2, 1982, BG&E indicated that a snubber in Unit 1 TS Table 3.7-4 was mislabeled. A snubber designated as 1-38-49, identified as, "Main Steam Line Encapsulation 27'", should be designated as 1-83-49. Changing snubber designations from 1-38-49 to 1-83-49 would be consistent with the designations for other main steam line encapsulation snubbers in TS Table 3.7-4. This TS change represents an administrative action in that it corrects a typographical error. This change has no effect on facility safety and is appropriate.

Environmental Consideration

We have determined that the amendments do 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 amendments involve 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 these amendments.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of an accident previously evaluated, do not create the possibility of an accident of a type different from any evaluated previously, and do not involve a significant reduction in a margin of safety, the amendments do 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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: September 23, 1982

Principal Contributor:

D. H. Jaffe

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-317 AND 50-318BALTIMORE GAS AND ELECTRIC COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITYOPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 77 and 58 to Facility Operating Licenses Nos. DPR-53 and DPR-69, issued to Baltimore Gas and Electric Company, which revised Technical Specifications for operation of the Calvert Cliffs Nuclear Power Plant, Units Nos. 1 and 2. The amendments are effective as of the date of issuance.

These amendments revise the Technical Specifications Tables 3.7-4 which provide lists of safety related hydraulic shock suppressors (snubbers) which require periodic inspection and testing.

The applications for the amendments comply 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 amendments. Prior public notice of the amendments was not required since the amendments do not involve a significant hazards consideration.

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The Commission has determined that the issuance of these amendments 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 the amendments.

For further details with respect to this action, see (1) the applications for amendments dated June 17, July 30, August 2 and August 26, 1982, (2) Amendment Nos. 77 and 58 to License Nos. DPR-53 and DPR-69, 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 day of September, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


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