

BALTIMORE GAS AND ELECTRIC COMPANY

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ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

June 17, 1982

Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1, Docket No. 50-317
Request for Amendment

Gentlemen:

Baltimore Gas and Electric Company hereby requests an Amendment for Operating License DPR-53 for Calvert Cliffs Unit No. 1, with the submittal of the enclosed proposed change to the Technical Specifications.

PROPOSED CHANGE

Delete the following snubbers from Table 3.7-4 of the Unit 1 Technical Specifications.

1-83-59	Main Steam Line Encapsulation 27'
1-83-60	Main Steam Line Encapsulation 27'
1-83-61	Main Steam Line Encapsulation 27'
1-83-62	Main Steam Line Encapsulation 27'

Add the following snubbers to Table 3.7-4 of the Unit 1 Technical Specifications.

1-83-11	Main Steam Line 27' Penetration Tunnel
1-83-12	Main Steam Line 27' Penetration Tunnel
1-83-14	Main Steam Line 27' Penetration Tunnel
1-83-15	Main Steam Line 27' Penetration Tunnel
1-83-16	Main Steam Line 27' Penetration Tunnel
1-83-17	Main Steam Line 27' Penetration Tunnel
1-83-19	Main Steam Line 27' Penetration Tunnel
1-83-20	Main Steam Line 27' Penetration Tunnel
1-83-21	Main Steam Line 27' Penetration Tunnel
1-83-22	Main Steam Line 27' Penetration Tunnel
1-83-23	Main Steam Line 27' Penetration Tunnel
1-83-24	Main Steam Line 27' Penetration Tunnel

A001
w/Check:
\$ 4000.00

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DISCUSSION AND JUSTIFICATION (BG&E FCR 82-98)

A review of the main steam line piping support system has resulted in a reanalysis of the supports, snubbers, and restraints associated with the section of main steam line between the steam generators and steam line penetration at the turbine building wall. Detailed engineering evaluation has determined the most likely cause of piping support system degradation is a result of forces induced by loads present during turbine trips.

The original hand calculated analysis has been substituted with a RELAP 5-MOD 1 computer program analysis. More accurate forcing function calculations have been generated as a result of reanalysis. Modifications to the existing safety related pipe support system have been performed during the recent refueling outage and include strengthening existing pipe supports, addition of new pipe supports, and deletion of four existing steam line snubbers.

In this submittal we are also adding 12 existing snubbers to the safety related surveillance program. During a recent review of the reanalysis performed on the main steam line we discovered that these snubbers were encompassed by original calculations for the main steam pipe seismic analysis. The 12 snubbers being added to the surveillance program constitute the boundary anchor between the safety related and non-safety related portions of the system. Confusion over interpretation of the interface between safety and non-safety related portions of the system, with respect to seismic support, led to the omission of these snubbers in our original surveillance program. A review is currently underway to verify that similar problems do not exist in other seismic safety grade systems.

These modifications serve to upgrade the existing main steam line support systems and enhance the mitigation of accidents associated with main steam high energy line breaks.

SAFETY COMMITTEE REVIEW

This proposed change to the Technical Specifications has been reviewed by our Plant Operations and Safety and Off-Site Safety Review Committees, and they have concluded that implementation of this change will not result in an undue risk to the health and safety of the public.

FEE DETERMINATION

We have determined, pursuant to 10 CFR Part 170, Paragraph 170.22, that this Amendment request consists of Class III amendment for Calvert Cliffs Unit No. 1, and accordingly, we are including BG&E Check No. A045982 in the amount of \$4,000 to cover the fee for this request.

