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Nuclear Energy

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
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October 13, 1995

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
60-Day Response to NRC Generic Letter 95-07: Pressure Locking and Thermal Binding of Safety-Related, Power-Operated Gate Valves

REFERENCE: (a) Letter from Mr. D. M. Crutchfield (NRC) to Mr. R. E. Denton (BGE), dated August 17, 1995, NRC Generic Letter 95-07: Pressure Locking and Thermal Binding of Safety-Related Power-Operated Gate Valves

The purpose of this letter is to forward our 60-day response to NRC Generic Letter 95-07: Pressure Locking and Thermal Binding of Safety-Related, Power-Operated Gate Valves. Pressure locking or thermal binding can cause a power-operated valve to fail to open. The generic letter requests that we perform, or confirm we previously performed, evaluations of operational configurations of safety-related, power-operated gate valves (i.e., subject valves) for susceptibility to pressure locking and thermal binding. Power-operated valves include those valves that are motor-, air-, or hydraulically-operated. In addition, it requests that we perform further analyses, and any needed corrective actions, to ensure that the susceptible valves are capable of performing their safety functions as described in our current licensing basis.

Attachment (1) describes our plans for implementing the action(s) requested by the generic letter. We will keep you informed of any changes to our schedule for implementing the requested actions.

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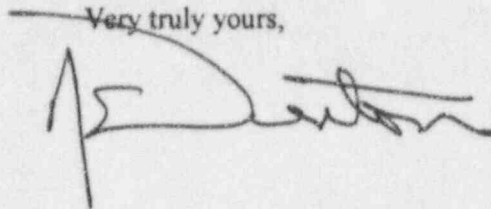
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Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,



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

I hereby certify that on the 13th day of October, 1995, before me, the subscriber, a Notary Public of the State of Maryland in and for Calvert County, personally appeared Robert E. Denton, being duly sworn, and states that he is Vice President of the Baltimore Gas and Electric Company, a corporation of the State of Maryland; that he provides the foregoing response for the purposes therein set forth; that the statements made are true and correct to the best of his knowledge, information, and belief, and that he was authorized to provide the response on behalf of said Corporation.

WITNESS my Hand and Notarial Seal:

Denise D. Suckis
Notary Public

My Commission Expires:

February 2, 1998
Date

RED/JMO/dlm

Attachment: (1) 60-Day Detailed Response to GL 95-07: Pressure Locking and Thermal Binding of Safety-Related, Power-Operated Gate Valves

- cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
Resident Inspector, NRC
R. I. McLean, DNR
J. H. Walter, PSC

ATTACHMENT (1)

BGE 60-DAY DETAILED RESPONSE TO GENERIC LETTER 95-07: PRESSURE LOCKING AND THERMAL BINDING OF SAFETY-RELATED, POWER-OPERATED GATE VALVES

I. Required Response

The generic letter requires Baltimore Gas and Electric Company (BGE) to submit the following:

Within 60 days from the date of this generic letter, a written response indicating whether or not the addressee will implement the action(s) requested below. If the addressee intends to implement the requested action(s), provide a schedule for completing implementation.

BGE Response

We plan to implement the action(s) requested by the generic letter on a schedule that will ensure that the 90- and 180-day requested actions are completed by the dates given below. We will keep you informed of any changes to our schedule for implementing the requested actions.

II. Requested Actions

A. *Within 90 days of the date of this generic letter, BGE is requested to perform and complete the following actions:*

1. *Perform a screening evaluation of the operational configurations of all safety-related, power-operated (i.e., motor-operated, air-operated, and hydraulically-operated) gate valves to identify those valves that are potentially susceptible to pressure locking or thermal binding; and*
2. *Document a basis for the operability of the potentially susceptible valves or, where operability cannot be supported, take action in accordance with individual plant Technical Specifications.*

BGE Response

By November 15, 1995, BGE will perform and complete the following actions:

- A1. Perform a screening evaluation of the safety-related function for operational configurations of the subject valves to identify the valves that are potentially susceptible to pressure locking or thermal binding and, as a result, could fail to open; and
- A2. Document a basis for determining that the potentially susceptible valves are operable, or take action as required by our Technical Specifications.

ATTACHMENT (1)

BGE 60-DAY DETAILED RESPONSE TO GENERIC LETTER 95-07: PRESSURE LOCKING AND THERMAL BINDING OF SAFETY-RELATED, POWER-OPERATED GATE VALVES

Requested Actions

- B. *Within 180 days of the date of this generic letter, each addressee of this generic letter is requested to implement and complete the guidance provided in Attachment 1 of the generic letter to perform the following actions:*
1. *Evaluate the operational configurations of safety-related, power-operated (i.e., motor-operated, air-operated, and hydraulically-operated) gate valves in its plant to identify valves that are susceptible to pressure locking or thermal binding;*
 2. *Perform further analyses as appropriate, and take needed corrective actions (or justify longer schedules), to ensure that the susceptible valves identified in Question B.1 are capable of performing their intended safety function(s) under all modes of plant operation, including test configuration.*

BGE Response

By February 5, 1996, BGE will perform the following actions:

- B1. Complete an evaluation of the operational configurations of subject valves to determine which ones are susceptible to pressure locking or thermal binding. Our evaluation will meet the intent of Attachment 1 to the generic letter. The generic letter attachment summarizes one acceptable approach to address the issue of pressure locking or thermal binding in the subject valves.
- B2. Perform further analyses as appropriate, and take needed corrective actions (or justify longer schedules), to ensure that the susceptible valves are capable of performing their intended safety function(s) under all modes of plant operation, including test configuration.