CHARLES H. CRUSE
Vice President
Nuclear Energy

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4455

BGE

November 9, 1998

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
Responses to Requests for Additional Information for the Review of the Calvert Cliffs Nuclear Power Plant, Units 1 & 2, Integrated Plant Assessment Report for the Safety Injection System

REFERENCES:

(a) Letter from Mr. C. H. Cruse (BGE) to NRC Document Control Desk, dated March 3, 1998, "Request for Review and Approval of System and Commodity Reports for License Renewal"

(b) Letter from Mr. D. L. Solorio (NRC) to Mr. C. H. Cruse (BGE), September 2, 1998, "Request for Additional Information for the Review of the Calvert Cliffs Nuclear Power Plant, Units 1 & 2, Integrated Plant Assessment Report for the Safety Injection System"

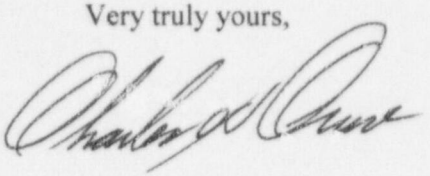
Reference (a) forwarded five Baltimore Gas and Electric Company (BGE) system and commodity reports for license renewal. Reference (b) forwarded questions from NRC staff on one of those five reports, the Integrated Plant Assessment Report for the Safety Injection System. Attachment (1) provides our responses to the questions contained in Reference (b).

A036

NRC Distribution Code A036D

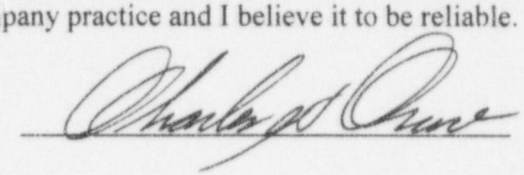
Should you have further questions regarding this matter, we will be pleased to discuss them with you.

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 Division, Baltimore Gas and Electric Company (BGE), and that I am duly authorized to execute and file this response on behalf of BGE. 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 BGE 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 9th day of November, 1998.

WITNESS my Hand and Notarial Seal:

Denise D. Sinkus
Notary Public

My Commission Expires:

2/1/2002
Date

CHC/DLS/dlm

Attachment: (1) Response to Request for Additional Information; Integrated Plant Assessment Report for the Safety Injection System

cc: R. S. Fleishman, Esquire
J. E. Silberg, Esquire
S. S. Bajwa, NRC
A. W. Dromerick, NRC
H. J. Miller, NRC
C. I. Grimes, NRC
D. L. Solorio, NRC
Resident Inspector, NRC
R. I. McLean, DNR
J. H. Walter, PSC

ATTACHMENT (1)

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION;

INTEGRATED PLANT ASSESSMENT REPORT FOR THE

SAFETY INJECTION SYSTEM

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
November 9, 1998

NRC Question No. 1

10 CFR 54.21(a)(1) states that valve bodies are passive. Page 5.15-12 (*of Baltimore Gas and Electric Company's [BGE's] License Renewal Application [LRA]*) identifies 29 device types as having only active functions, solenoid valves being one of these 29 components. The drawing on pages 5.15.6 and 5.15.7 show solenoid valve bodies being within the evaluation boundary. Provide a justification for not including the pressure boundary function of solenoid valve bodies as being within the scope of the aging management review (AMR).

BGE Response

Contrary to the statement above, the drawings on pages 5.15.6 and 5.15.7 do not show any solenoid valve bodies within the evaluation boundary. The key provided with the drawings shows the components are flow orifices, control valves, hand valves, check valves, motor-operated valves, relief valves, and spool pieces. The air provided to control valve operating schemes in the Safety Injection System is non-safety-related; therefore, solenoid valves do not provide the pressure boundary function. Page 5.15-12 is, therefore, correct in identifying solenoid valves as being one of the 29 components having only active functions.

NRC Question No. 2

Page 6.3-3 (Revision 18) of the Calvert Cliffs Nuclear Power Plant Updated Final Safety Analysis Report indicates that there is a small drain valve controlled remotely from the Control Room, which is intended to drain any leakage from the Reactor Coolant System into the Safety Injection System. Was this drain valve subjected to an AMR? If so, provide a cross reference to where this is addressed in the LRA. If not, provide the basis for exclusion.

BGE Response

The drain valves described above are associated with the safety injection tanks (SITs). The valves are pneumatically-operated Control Valves 1(2)CV611, 1(2)CV621, 1(2)CV631, and 1(2)CV641. These valves are opened to allow draining Reactor Coolant System in-leakage to the SITs and are represented on Figure 5.15-1 immediately to the left of the SIT. These valves were subjected to an AMR, and are considered in the Safety Injection portion of the LRA (Section 5.15, "Safety Injection System") as control valves.

NRC Question No. 3

Page 6.3-14 (Revision 21) of the Calvert Cliffs Nuclear Power Plant Updated Final Safety Analysis Report indicates that the containment sump suctions are enclosed by particulate screens. Are these screens included within the AMR? If so, provide a cross reference to where they are addressed in the LRA. If not, provide the basis for exclusion.

BGE Response

The containment sump particulate screens are considered in LRA Section 3.3A, "Primary Containment Structure." They are specifically identified on page 3.3A-6 under Unique Components.