ROBERT E. DENTON
Vice President
Nuclear Energy

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 586-2200 Ext. 4155 Local
410 260-4455 Baltimore

BGE

August 30, 1994

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1; Docket No. 50-317
Generic Letter 92-01, "Reactor Vessel Structural Integrity" Close-out Letter/Upper-Shelf Energy for Weld Seams 3-203-A,B,C (TAC No. M83446)

REFERENCES:

(a) Letter from Mr. R. E. Denton (BGE) to NRC Document Control Desk, dated May 11, 1994, Response to the NRC Generic Letter 92-01, "Reactor Vessel Structural Integrity" Close-out Letter

(b) Letter from Mr. D. G. McDonald, Jr. (NRC) to Mr. R. E. Denton (BGE), dated April 11, 1994, Generic Letter 92-01, Revision 1, "Reactor Vessel Structural Integrity," Calvert Cliffs Nuclear Power Plant, Units 1 and 2

By letter dated May 11, 1994 (Reference a), we provided our schedule to resolve the two open issues identified in your close-out letter to the Generic Letter 92-01 (Reference b). The first open issue concerns the determination of the unirradiated upper-shelf energy (USE) value for the Calvert Cliffs Unit 1 reactor vessel Weld Seams 3-203-A,B,C. The second open issue concerns the determination of the unirradiated USE value for the Calvert Cliffs Unit 2 Weld Seams 2-203-A,B,C. The schedule we provided for the resolution of these two issues are August 31, 1994, for Open Issue 1, and July 31, 1995, for Open Issue 2. This letter provides the unirradiated USE value for Unit 1 Weld Seams 3-203-A,B,C in resolution of Open Issue 1.

As we informed you in Reference (a), to establish the unirradiated USE value, we purchased a section of Long Island Lighting Company's Shoreham reactor vessel containing a weld that is virtually identical to Calvert Cliffs Unit 1 Weld Seams 3-203-A,B,C. The Calvert Cliffs Unit 1 and the Shoreham reactor vessels were both fabricated by Combustion Engineering during the same time frame. In particular, the Shoreham Weld Seam 5-306 and the Calvert Cliffs Unit 1 Weld Seams 3-203-A,B,C were fabricated using Wire Type B4-Mod, Wire Heat 21935, Flux Type Linde 1092, and Flux Lot 3869. We performed Charpy V-notch impact testing on the Shoreham weld and obtained an USE value of 109 ft-lbs.

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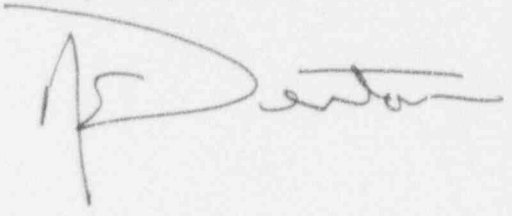
Henceforth, we will use the unirradiated USE value of 109 ft-lbs for the Calvert Cliffs Unit 1 Weld Seams 3-203-A,B,C. This closes out Open Issue 1. We expect to close out Open Issue 2 on or before the scheduled date.

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

Very truly yours,



RED/GT/dlm

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
M. J. Case, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
P. R. Wilson, NRC
R. I. McLean, DNR
J. H. Walter, PSC