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July 20, 1995

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 2; Docket No. 50-318
Generic Letter 92-01, "Reactor Vessel Structural Integrity" Close-out
Letter/Upper-Shelf Energy for Weld Seams 2-203-A,B,C (TAC No. M83447)

- REFERENCES:
- (a) Letter from Mr. R. E. Denton (BGE) to Document Control Desk (NRC), 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
 - (c) Letter from Mr. R. E. Denton (BGE) to Document Control Desk (NRC), dated August 30, 1994, 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)
 - (d) Letter from Mr. D. F. Pilmer (C-E Owners Group) to Document Control Desk (NRC), dated July 7, 1995, C-E Owners Group Submittal of CEN-622, "Generic Upper Shelf Values for Linde 1092, 124, and 0091 Reactor Vessel Welds"

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. Reference (c) provided the resolution to Issue No. 1. This letter provides the unirradiated USE value for Unit 2 Weld Seams 2-203-A,B,C in resolution of Open Issue 2.

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As we informed you in Reference (a), a Combustion Engineering Owners Group (CEOG) task was initiated to establish the basis for the use of generic unirradiated USE values for Combustion Engineering fabricated reactor pressure vessel welds. The Owners Group task was completed and the results have been submitted to you in CEOG Topical Report CEN-622 (Reference d). The Calvert Cliffs Unit 2 Weld Seams 2-203-A,B,C are submerged arc welds fabricated using Weld Wire Heat A8746, Flux Type Linde 124, Flux Lot 3878. The topical report recommends a conservative unirradiated USE value of 83.5 ft-lb for welds fabricated using Flux Type Linde 124.

We have reviewed the CEOG topical report and agree with the methodology used to determine the generic USE values. Therefore, we will use the recommended unirradiated USE value of 83.5 ft-lb for the Calvert Cliffs Unit 2 Weld Seams 2-203-A,B,C. This closes out Open Issue 2.

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

Very truly yours,

A handwritten signature in dark ink, appearing to read "J. E. Silberg", is written over a horizontal line.

RED/GT/dlm

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
P. R. Wilson, NRC
R. I. McLean, DNR
J. H. Walter, PSC
D. F. Pilmer (CEOG)