



1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

GEORGE C. CREEL
VICE PRESIDENT
NUCLEAR ENERGY
(410) 260-4455

August 28, 1992

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
Reactor Vessel Material Surveillance Capsule Withdrawal Schedule

- REFERENCES:
- (a) Letter from Mr. R. F. Ash (BG&E) to Mr. R. A. Clark (NRC), dated January 20, 1982
 - (b) Letter from Mr. R. A. Clark (NRC) to Mr. A. E. Lundvall, Jr. (BG&E), dated February 2, 1982
 - (c) Letter from Mr. G. C. Creel (BG&E) to Document Control Desk (NRC), dated January 24, 1992, Modification of the Withdrawal Schedule for Reactor Vessel Material Specimens for Calvert Cliffs Unit #1
 - (d) Letter from Mr. D. G. McDonald (NRC) to Mr. G. C. Creel (BG&E), dated March 11, 1992, Withdrawal Schedule Change for Reactor Vessel Material Specimens
 - (e) Letter from Mr. G. C. Creel (BG&E) to Document Control Desk (NRC), dated July 17, 1992, Updated Final Safety Analysis Report

Gentlemen:

This letter clarifies previous Calvert Cliffs reactor vessel surveillance capsule correspondence and requests approval of a schedule change for surveillance capsule withdrawal from Calvert Cliffs Unit 2.

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CLARIFICATION 1:

By letter dated January 20, 1982 (Reference a), we provided you with the justification for withdrawing the first surveillance capsule from the 263° location instead of from the 97° location. We also informed you we would revise the FSAR to reflect the new sequence to be used for the capsule surveillance program. Your February 2, 1982 response (Reference b), accepted our justification and agreed the FSAR should be revised. The request in our January 20, 1982, letter was intended for both units. Hence, the FSAR was revised and we withdrew the 263° location Unit 2 capsule for the first interval instead of the capsule located at 97°.

However, your February 2, 1982, approval letter made no mention of Unit 2. We discovered this during the incorporation of the latest capsule withdrawal schedule (References c and d) into Revision 13 of the Updated Final Safety Analysis Report (UFSAR) (Reference e). Unlike our January 20, 1982 request, our letter dated January 24, 1992, requested approval to modify the surveillance withdrawal schedule for Unit 1 only.

CLARIFICATION 2:

In our January 20, 1982 letter (Reference a), we stated that the capsules located at 263° and 97° are identical in composition. This was incorrect. Table 4-17 of the original FSAR (1/31/80) clearly stated the capsules are not identical. This is also corroborated by our later dated January 24, 1992 (Reference c), and your response to us dated March 11, 1992 (Reference d). Forty five of the fifty-seven specimens in each capsule are identical. The capsule located at 97° contains 12 base metal transverse specimens while the capsule located at 263° contains 12 standard reference material (SRM) specimens.

Notwithstanding the difference in capsule composition, as long as there is separation in fluence value for SRM specimens (References c and d), it does not matter which of the two capsules are withdrawn first.

REQUEST FOR APPROVAL TO MODIFY THE SURVEILLANCE CAPSULE WITHDRAWAL SCHEDULE FOR UNIT 2:

Pursuant to Appendix H of 10 CFR 50, Baltimore Gas and Electric Company (BG&E) hereby requests NRC approval of a change to its schedule for withdrawal of reactor vessel material surveillance capsules for Calvert Cliffs Unit 2. As described in Clarification 1 above, the capsule at the 263° location was removed for the first interval instead of the capsule at the 97° location. The proposed change would interchange the surveillance capsule scheduled to be withdrawn at the second interval (the 104° capsule) with the one presently scheduled to be withdrawn at the fourth interval (the 97° capsule). The second interval capsule will be withdrawn during the Unit 2 1993 refueling outage (currently scheduled to begin March 7, 1993). We request that you provide us with your response before the scheduled outage.

The table below shows the original schedule, the 1982 revised schedule, the 1992 revised schedule for Unit 1, and the proposed schedule for Calvert Cliffs Unit 2 surveillance capsule removal.

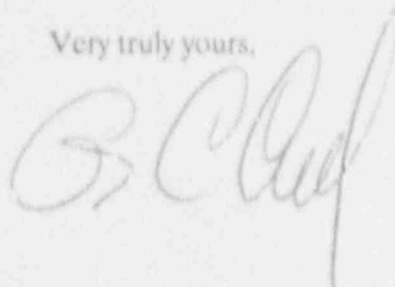
<u>Schedule (Yrs)</u>	<u>Location in Degrees</u>			
	<u>Units 1 & 2 Original</u>	<u>Units 1 & 2 1982 (Revised)</u>	<u>Unit 1 1992 (Revised)</u>	<u>Unit 2 1992 (Proposed)</u>
5	97	263	263	263
14	104	104	97	97
23	284	284	284	284
30	263	97	104	104
35	277	277	277	277
40	83	83	83	83

Capsule 104° contains SRM Charpy impact specimens while capsule 97° contains base metal (transverse) Charpy impact specimens in the corresponding compartment. All other sets of specimens are identical. The 263° location capsule pulled for the first interval also contained SRM specimens. The 263° and 104° capsules are the only two capsules from the original surveillance program to contain SRM specimens. In a surveillance program, it is desirable to test SRM specimens at widely separated values of fluence. Hence, deferring the withdrawal of the 104° capsule until later in vessel life (30-year interval) will provide the desired separation in fluence values for the two SRM specimens. The original surveillance schedule (before it was revised) also supported testing of the SRM specimen at widely separated values of fluence.

The proposed schedule change is consistent with the one approved for Unit 1 (Reference d). Upon approval, this change will be reflected in the next UFSAR update so that both units have the same withdrawal schedule.

Should you have any 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 hereby certify that on the 28th day of August, 1992, before me, the subscriber, a Notary Public of the State of Maryland in and for Calvert County, personally appeared George C. Creel, 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:

Michelle D. Hall
Notary Public

My Commission Expires:

February 2, 1994
Date

GCC/GT/gt/dlm

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