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ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

June 30, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. R. A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1, Docket No. 50-317
Planned CEA Inspection Program

REFERENCE: (A) D. H. Jaffe to A. E. Lundvall letter dated
June 24, 1982, Amendment No. 71 to Calvert Cliffs
Unit 1 License No. DPR-53
(B) A. E. Lundvall, Jr. to R. A. Clark letter dated
September 22, 1982, End of Cycle 5 Unit 1 Fretting
Wear Inspection Report
(C) R. C. L. Olson to R. W. Reed letter dated
November 12, 1979, Calvert Cliffs Unit 2 CEA Guide
Tube Inspection Program Results

Gentlemen:

Reference (A) issued the safety evaluation for Calvert Cliffs Nuclear Power Plant Unit 1 Cycle 6. This amendment authorized continued operation but noted the need for further evaluation of the rate of CEA fretting wear and their ability to achieve design lifetime. In order to continue with this evaluation, BG&E plans to examine five CEAs which will be selected from positions known to be high wear locations. These CEAs will be examined by Eddy Current Testing (ECT) during the refueling outage after Cycle 6.

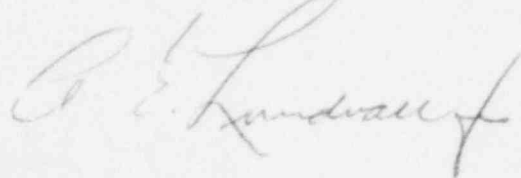
Reference (A) also noted that if reduced flow fuel assemblies were to be placed in rodged positions, a submittal would be necessary to specify the plans for continued guide tube fretting wear examinations. Cycle 7 at Calvert Cliffs Unit 1 will utilize 13 fuel assemblies which were fabricated with modified guide tubes instead of sleeves to mitigate guide tube wear. All of these modified assemblies have previously resided in CEA positions for only one cycle and have been evaluated for guide tube wear after that cycle. The ECT results presented in References (B) and (C) show that negligible guide tube wear was observed. During Cycle 7 only one of these assemblies, C1F048, will be placed in a CEA position. Assembly 1F048, with the modified guide tubes, will be irradiated in the core center position during Cycle 7 under a CEA. Previous favorable

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experiences with unsleeved assemblies in this position include BTO3 during Cycle 4, and D047 during Cycle 5. Consequently none of the thirteen modified fuel assemblies to be used in Cycle 7 will be ECT prior to Cycle 7, since there has been no opportunity for additional guide tube wear of these assemblies subsequent to the documented testing.

Yours very truly,

A handwritten signature in dark ink, appearing to read "P. E. Lundvall". The signature is fluid and cursive, with the first name "P. E." and the last name "Lundvall" clearly distinguishable.

AEL/JAM/lmt

cc: J. A. Biddison, Jr., Esq.
G. F. Trowbridge, Esq.
Mr. D. H. Jaffe, NRC
Mr. R. E. Architzel, NRC
Mr. R. R. Mills, CE