



CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

September 15, 1981

Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTENTION: Mr. R. A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1 and Unit No. 2
Docket Nos. 50-318 and 50-319
Clad Collapse (CEPAN) Application, CEN-182(B)
and Fuel Rod Growth (SIGREEP) Application,
CEN-183(B)-P Methodology Reports

REFERENCE (A): A. E. Lundvall to T. M. Novak letter
dated 8/26/81, Extended Burnup

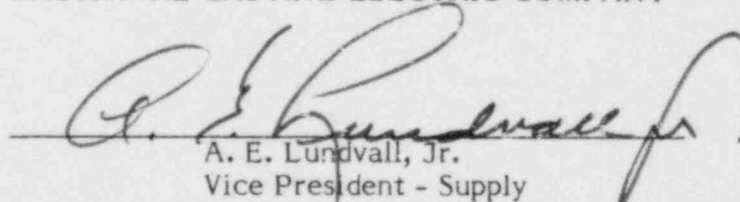
Gentlemen:

Reference (A) summarized several new application methodologies required to license the Calvert Cliffs Units for Extended Burnup. Those application methodologies were developed by Combustion Engineering and are hereby submitted for your review and approval. We intend to reference those documents in Unit 1, Cycle 6 reload license application.

Enclosures (1) and (2) are proprietary and nonproprietary versions, respectively, of improved application methodology for fuel rod growth (SIGREEP). Enclosure (3) is the report documenting an improved method for performing clad collapse analyses. Enclosure (4) is an affidavit from Combustion Engineering, Inc. requesting that information in Enclosure (1) be withheld from public disclosure in accordance with 10 CFR 2.790.

Very truly yours,

BALTIMORE GAS AND ELECTRIC COMPANY


A. E. Lundvall, Jr.
Vice President - Supply

WJL/AEL/djw
Enclosures

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PDR ADOCK 05000317
P PDR

PA01
51/14 NP
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PDR
LPOR
NSIC
NTIS } Non-Prop
Version



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- Enclosures:
- (1) Application of CENPD-198 to Zircaloy Component Dimensional Changes, CEN-183(B)-P, September 1981 (Proprietary) - Copies 1-25
 - (2) Application of CENPD-198 to Zircaloy Component Dimensional Changes, CEN-183(B)-NP, September 1981 (Nonproprietary) - 15 Copies
 - (3) Statistical Approach to Analyzing Creep Collapse of Oval Fuel Rod Cladding Using CEPAN, CEN-182(B), September 1981 - 25 Copies
 - (4) Proprietary Affidavit

Copies To:

- J. A. Biddison, Esquire (w/o Encl)
- G. F. Trowbridge, Esquire (w/o Encl)
- D. Jaffe - NRC (w/o Encl)
- P. W. Kruse - CE (w/o Encl)