



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 4, 1996

Mr. Charles H. Cruse, Vice President
Nuclear Energy Division
Baltimore Gas and Electric Company
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-47027

SUBJECT: FINAL SAFETY EVALUATION (FSE) CONCERNING THE BALTIMORE GAS &
ELECTRIC COMPANY REPORT ENTITLED, "INTEGRATED PLANT ASSESSMENT
METHODOLOGY"

Dear Mr. Cruse:

The U.S. Nuclear Regulatory Commission staff has reviewed your, "Integrated Plant Assessment Methodology," (Methodology) dated August 18, 1995, and as amended January 11, 1996, and is transmitting the Final Safety Evaluation (FSE) to you as an enclosure to this letter. The Advisory Committee on Reactor Safeguards had no comments on the staff's draft safety evaluation (DSE) dated February 7, 1996. Since there were no open issues in the staff's DSE, only minor editing changes were made in the enclosed FSE.

In the enclosed FSE, the staff concludes that the Methodology is acceptable for meeting the requirements of 10 CFR 54.21(a)(2) of the license renewal rule, and if implemented, provides reasonable assurance that all structures and components subject to an aging management review pursuant to 10 CFR 54.21(a)(1) will be identified. Additionally, the staff concludes that the Methodology provides processes for demonstrating that the effects of aging will be adequately managed pursuant to 10 CFR 54.21(a)(3) and for evaluating time limited aging analyses pursuant to 10 CFR 54.21(c) that are conceptually sound and consistent with the intent of the license renewal rule.

During the staff's review of the Methodology, two issues were raised that were determined to be more appropriately addressed in the course of specific license renewal technical reports. These issues concern 1) the level of detail to be included in the FSAR Supplement and the license renewal application, and 2) the timing of time-limited aging analyses evaluations relative to the submission of an application. As you are aware, the NRC recently completed an audit related to the implementation of the Nuclear Energy Institute (NEI) guideline for license renewal (NEI 95-10) at the Calvert Cliffs site as part of its participation in the NEI demonstration program. The NRC observations during this audit noted strong scoping and aging effects work, but highlighted continuing difficulties with the level of detail, TLA issues, and some other weaknesses relative to the guideline and

9604090427 960404
PDR ADDCK 05000317
P PDR

080054

NRC FILE CENTER COPY

DF01

Charles H. Cruse

- 2 -

April 4, 1996

the renewal rule. The staff expects to explore these issues in more detail in the course of the remainder of the industry demonstration project and is prepared to address them in your follow-on technical reports.

Sincerely,

Dennis M. Crutchfield, Director
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

Docket Nos.: 50-317, 50-318

Enclosure: FSE

cc: See attached list

DISTRIBUTION:

Docket Files
PUBLIC
PDLR R/F
RZimmerman, 0-12G18
AThadani, 0-12G18
BSheron, 0-7D26
LShao, T-10D20
JCraig, T-10D20
MMayfield, T-10D20
GLainas, 0-7D26
GHolahan, 0-8E2
SPeterson, 0-7D26
GBagchi, 0-7H15
RWessman, 0-7E23
RJones, 0-8E23
JStrosnider, 0-7D4
LLuther, 0-11D23
PTKuo, 0-11D23
Slee, 0-11D23
ACRS (4)
OGC

* See previous concurrence

DOCUMENT NAME: A:\DENTON.RV2 (DISK 8)

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

| OFFICE | PM:PS:PDLR* | D:PDLR* | OGC* | ADT* | D:DRPM |
|--------|-------------|-----------|----------|----------|--------------|
| NAME | JMoulton:ng | SNewberry | | AThadani | DCrutchfield |
| DATE | 02/15/96 | 03/18/96 | 03/08/96 | 04/02/96 | 4/4/96 |

OFFICIAL RECORD COPY

Baltimore Gas & Electric

Calvert Cliffs Nuclear Power Plants
Unit Nos 1 and 2

cc:

Mr. Hagner R. Mister, President
Calvert County Board of
Commissioners
175 Main Street
Prince Frederick, Md 20678

Mr. Joseph H. Walter, Chief Engineer
Public Service Commission of
Maryland
Engineering Division
6 St. Paul Centre
Baltimore, MD 21202-6806

D. A. Brune, Esquire
General Counsel
Baltimore Gas and Electric Company
P.O. Box 1475
Baltimore, MD 21203

Kristen A. Burger, Esquire
Maryland People's Counsel
6 St. Paul Centre
Suite 2101
Baltimore, MD 21202-1631

Jay E. Silberg, Esquire
Shaw, Pittman, Potts and Trowbridge
2300 N Street, NW
Washington, DC 20037

Patricia T. Birnie, Esquire
Co-Director
Maryland Safe Energy Coalition
P.O. Box 33111
Baltimore, MD 21218

Mr. Terrence J. Camilleri, Director,
NRM
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

Resident Inspector
c/o U.S. Nuclear Regulatory
Commission
P.O. Box 287
St. Leonard, MD 20685

Mr. Richard I. McLean
Administrator - Radioecology
Department of Natural Resources
580 Taylor Avenue
Tawes State Office Building
B3
Annapolis, MD 21401

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406