



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

February 14, 1994

Docket Nos. 50-317
and 50-318

Mr. Robert E. Denton
Vice President - Nuclear Energy
Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

Dear Mr. Denton:

SUBJECT: EMERGENCY DIESEL GENERATOR PROJECT - ELECTRICAL ENGINEERING DESIGN
REPORT, CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2
(TAC NOS. M87130 and M87131)

By letter dated July 26, 1993, Baltimore Gas and Electric Company (BG&E) submitted Revision 0 of a report entitled "Emergency Diesel Generator Project - Electrical Engineering Design Report" for NRC review and approval. This report is one of a series of design reports that BG&E planned to develop to obtain NRC approval of modifications to the on-site emergency electrical system at the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. These modifications are being implemented in response to 10 CFR 50.63, "Loss of All Alternating Current Power," which is referred to as the station blackout rule. The modifications will add one safety-related diesel generator and one nonsafety-related diesel generator at the plant.

The subject report describes the existing electrical distribution system and the modified distribution system (after the addition of the safety-related diesel generator). The report also discusses the electrical support systems for the diesel generator and for the Diesel Generator Building. BG&E's commitments and exceptions to the various codes, standards, and regulatory guides are also described in the report. These commitments are for design, procurement, fabrication, and construction only. Operational and surveillance commitments will be made through the license amendment request process.

The NRC staff has completed its review of the subject report. As documented in the enclosed Safety Evaluation, we have concluded that the design bases of the modifications to the electrical system (after the addition of the safety-

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Mr. Robert E. Denton

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related diesel generator) and the commitments to the various codes, standards, and regulatory guides are acceptable.

We have completed all actions related to TAC Nos. M87130 and M87131.

Sincerely,



Daniel G. McDonald, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

Mr. Robert E. Denton
Baltimore Gas & Electric Company

Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

cc:

Mr. Michael Moore, President
Calvert County Board of
Commissioners
175 Main Street
Prince Frederick, Maryland 20678

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

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

Kristen A. Burger, Esquire
Maryland People's Counsel
American Building, 9th Floor
231 E. Baltimore Street
Baltimore, Maryland 21202

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, Maryland 21218

Mr. G. L. Detter, Director, NRM
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-47027

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

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

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