



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

March 24, 1993

Docket Nos. 50-317
and 50-318

LICENSEE: Baltimore Gas and Electric Company (BG&E)
FACILITY: Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2
SUBJECT: MEETING MINUTES REGARDING THE MARCH 17, 1993, MEETING TO DISCUSS
THE QUALIFICATION TEST PROGRAM FOR THE NEW EMERGENCY DIESEL
GENERATORS - CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT 1
(TAC NO. M85715) AND UNIT 2 (TAC NO. M85716)

BACKGROUND:

On July 21, 1988, Part 50 of Title 10 of the Code of Federal Regulations was amended to include a new Section 50.63, entitled, "Loss of All Alternating Current Power," referred to as the station blackout (SBO) rule. The SBO rule requires that each light-water cooled nuclear power plant be able to withstand and recover from an SBO of specified duration. The SBO rule also requires that information defined in the rule be provided to the staff for review.

BG&E responded to the requirements of the rule and the staff approved its response by letter dated February 12, 1992. The staff's approval included the addition of two new safety-related Class-1E emergency diesel generators (EDGs). A series of meetings are being held to discuss various design aspects of the EDG addition. BG&E has provided a Civil Engineering Report and the Qualification Test Program for NRC staff review and approval. These submittals will be followed by other submittals addressing the additional design requirements for the EDG addition which are being discussed during the series of meetings.

PURPOSE

This meeting focused on the Qualification Test Program for the EDGs which was submitted on January 29, 1993. The Qualification Test Program addresses the qualification requirements, proposed testing at the factory, proposed testing on-site, previous qualification testing performed on the same model EDGs, and other qualification issues including seismic and environmental requirements.

A list of attendees is enclosed.

SUMMARY

The NRC staff and BG&E representatives discussed the details of the January 23, 1993, submittal to identify any areas needing additional

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March 24, 1993

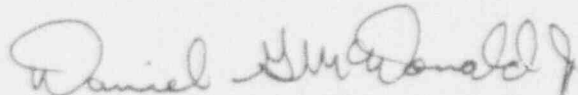
information or clarification to allow the staff to complete its review prior to BG&E initiating the Qualification Test Program for the EDGs.

It was determined that additional information is required in the following areas:

- 1) Clarification of the starting conditions for the load tests.
- 2) Clarification of the load capability testing including the percentage range of the continuous load value, short time load tests, and rated load tests.
- 3) Definition of acceptable limits for the loss of short-time load transient response and the light and no load operation.
- 4) Clarification on the start and acceptance load tests including the number of step loads, value of the largest load, percentage range of acceptance, and the acceptance criteria for the loss-of-load tests.
- 5) Clarification on the site testing including percentage of manual loading, number of tests, and starting conditions for the tests.
- 6) Clarification on the integrated safeguards preoperational testing.
- 7) Clarification of torsional vibration considerations.

BG&E indicated that a supplemental submittal would be provided to address the areas detailed above. BG&E further indicated that the supplemental submittal would be provided in early April to allow the staff to complete its review in a timely fashion.

The information requested affects one respondent and, therefore, is not subject to the Office of Management and Budget review under P.L. 96-511.



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

Enclosure:
Attendance List

cc w/enclosure:
See next page

Baltimore Gas & Electric Company

cc:

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

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

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

Mr. G. L. Detter, Director, NRM
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

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

Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

Mr. Joseph H. Walter
Engineering Division
Public Service Commission of
Maryland
American Building
231 E. Baltimore Street
Baltimore, Maryland 21202-3486

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

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

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

ENCLOSURE

MARCH 17, 1993

EDG MEETING

ATTENDANCE LIST

NAME

COMPANY

Daniel McDonald	NRC/NRR/PDI-1
Saba N. Saba	NRC/NRR/EELB
Om P. Chopra	NRC/NRR/EELB
Richard A. Skokowski	NRC/Region 1/EBES
D. Plerchon	SACM Diesel
Darrell Thornley	SACM Diesel
Dale G. Dixon	NPS Contract To BG&E
T. L. Konerth	BG&E
J. R. Adams	Bechtel
Bob Yamrus	Bechtel
Pat Furio	BG&E
P. J. Hebrank	BG&E
Don Perrine	BG&E
Christy Leskovar	Bechtel

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Original signed by:

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

Enclosure:
Attendance List

cc w/enclosure:
See next page

Distribution: See next page

LA:PDI-1	PM:PDI-1	D:PDI-1			
CVogan	DMcDonald:smm	RACapra			
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DISTRIBUTION LIST FOR MEETING SUMMARY OF MARCH 17, 1993:

Docket File
NRC & Local PDRs
PDI-1 Reading
T. Murley/F. Miraglia, 12/G/18
J. Partlow, 12/G/18
S. Varga
J. Calvo
R. A. Capra
D. McDonald
C. Vogan
OGC
E. Jordan
S. Saba, 7/E/4
O. Chopra, 7/E/4
R. Skokowski, RGN-I
ACRS (10)
V. McCree, EDO, 17/G/21
C. Cowgill, RGN-I