



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

June 27, 1994

Docket Nos. 50-317
and 50-318

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

Dear Mr. Denton;

SUBJECT: EMERGENCY DIESEL GENERATOR PROJECT - INSTRUMENTATION AND
CONTROL SYSTEMS DESIGN REPORT - CALVERT CLIFFS NUCLEAR POWER PLANT,
UNITS NOS. 1 AND 2 (TAC NOS. M87556 AND M87557)

By letter dated August 25, 1993, Baltimore Gas and Electric Company (BG&E) submitted the subject report and requested NRC review and approval.

BG&E is installing one safety-related emergency diesel generator (EDG) and one nonsafety-related EDG. After the new diesel generators are installed, Calvert Cliffs will have four safety-related EDGs with one safety-related EDG dedicated to each of the four engineered safety features buses. The nonsafety-related EDG will be used to mitigate station blackout conditions.

The report discusses the design bases and describes the various control systems. The report details BG&E commitments to various codes, standards, and regulatory guides; these commitments apply to design, procurement, fabrication, and construction only; operational and surveillance commitments will be made through the License Amendment Report.

The enclosed Safety Evaluation (SE) provides the details of the NRC staff's review of the proposed design of the instrumentation and control systems for the safety-related EDG.

As noted in the conclusion section of the SE, we have determined that the proposed design of the instrumentation and control systems for the safety-related EDG located in the EDG building and the main control room are acceptable. However, this is subject to confirming that the PERMAS Code has been subjected to a systematic test procedure which is compared to a group of

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Mr. Robert E. Denton

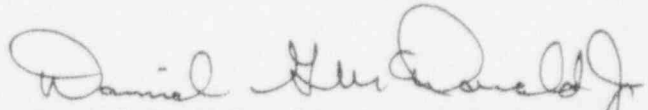
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type of problems for which the solutions are well known. This information should be maintained at the site for future NRC staff audit.

This completes all actions related to TAC Nos. M87556 and M87557.

Sincerely,

A handwritten signature in cursive script, appearing to read "Daniel G. McDonald".

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:

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