



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 10, 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: QUALIFICATION TESTING PROGRAM FOR EMERGENCY DIESEL GENERATOR UPGRADE
PROJECT - CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2
(TAC NOS. M87249 AND M87250)

By letter dated August 17, 1993, Baltimore Gas and Electric Company (BG&E) submitted a request for NRC review and approval of a proposed qualification testing program for the existing emergency diesel generators (EDGs) at Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. The proposed program would be implemented following completion of planned modifications to the EDGs that will improve their electrical capacity and thereby provide additional margin for the electrical loading of the 4.16 KV safety-related buses. The qualification testing program is intended to provide reasonable assurance of the load capacity and reliability of the modified EDGs.

During its review of the proposed testing program, the NRC staff identified the need to clarify certain aspects of the program related to factory and site testing. The issues requiring clarification were discussed during a conference call between NRC and BG&E staff personnel on December 1, 1993. BG&E provided the requested information in a letter dated January 7, 1994.

We have completed our review of BG&E's proposed qualification testing program for the modified EDGs. As discussed in the enclosed Safety Evaluation, we have concluded that the program is acceptable and that it will provide assurance that the EDGs will meet the intent of the regulations and the engineering design requirements with respect to capacity, capability, and reliability.

As discussed in a BG&E letter dated February 4, 1994, we understand that the scope of modifications planned for EDG No. 11 during the spring 1994 refueling outage will not result in the ratings increase described in BG&E's letter of August 17, 1993. It has been determined that additional modifications will need to be implemented before the higher ratings can be achieved. We understand that all modifications to EDG No. 11 necessary to achieve the higher ratings are expected to be completed during the Unit 1 1996 refueling

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Mr. Robert E. Denton

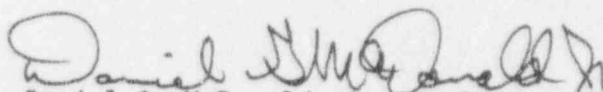
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outage. Modifications of the other two EDGs are still expected to be accomplished in one step during subsequent outages.

This completes all actions related to TAC Nos. M87249 and M87250.

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:

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