

February 14, 1994

Docket Nos. 50-317  
and 50-318

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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: REGULATORY GUIDE 1.97 - INSTRUMENTATION TO FOLLOW THE COURSE OF AN  
ACCIDENT, CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2

Section 6.2 of Generic Letter 82-33, "Supplement 1 to NUREG-0737 - Emergency Response Capabilities," requested licensees to provide a report on their implementation of Regulatory Guide 1.97 (Revision 2), including methods for complying with the Commission's regulations and supporting technical justification for any proposed alternatives or deviations. A large number of requests were received from pressurized water reactor (PWR) licensees asking for deviation from the Category 2 criteria for containment sump water temperature monitoring instrumentation. Prior to 1987, these requests were denied by the U.S. Nuclear Regulatory Commission (NRC) staff. Since then, these requests have been considered as an open item until a generic resolution could be found.

The NRC staff has reviewed the bases for these requests and has concluded that containment cooling status can be determined through alternative means to direct reading of containment sump water temperature. A copy of the Safety Evaluation (SE) detailing the acceptability of these alternatives is enclosed. In its generic discussion of PWRs, the SE indicates that acceptable alternative means include Category 2 residual heat removal heat exchanger inlet or outlet temperature. In the case of Calvert Cliffs Nuclear Power Plant, Units 1 and 2, the acceptable alternative means would include Category 2 shutdown cooling heat exchanger inlet or outlet temperature.

If you have any questions regarding this issue, please contact me at (301) 504-1408.

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

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P PDR

Enclosure:  
Safety Evaluation  
cc w/enclosure:  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Vice President - Nuclear Energy  
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If you have any questions regarding this issue, please contact me at  
(301) 504-1408.

Sincerely,

A handwritten signature in dark ink, 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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