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MAY 19 1994

Docket Nos. 50-317
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: CALVERT CLIFFS UNITS 1 AND 2 SERVICE WATER SYSTEM
OPERATIONAL PERFORMANCE INSPECTION (NRC COMBINED
INSPECTION REPORT NOS. 50-317/94-80 AND 50-318/94-80)

This letter refers to the service water system operational performance inspection (SWSOPI) conducted by Mr. Leonard J. Privity and others of this office from February 22 through March 25, 1994, at the Calvert Cliffs Nuclear Power Plant in Lusby, Maryland. Our inspectors focused on issues important to public health and safety, specifically, the design and maintenance of the service water system. The inspectors evaluated how your staff has resolved findings from your prior service water self-assessments. The inspectors also assessed your planned or completed actions taken in response to Generic Letter 89-13, "Service Water System Problems Affecting Safety-Related Equipment." Mr. Privity discussed the preliminary findings with you and members of your staff on March 25, 1994, at the conclusion of the inspection.

We concluded that the service water systems at Calvert Cliffs were satisfactorily designed and capable of performing their safety functions. We judged your overall performance to be superior with respect to service water systems activities. While the inspection identified several design-control process issues, no new safety significant design issues were identified. We consider these very positive findings to be a result of your aggressive actions regarding the industry-wide problem involving the design of safety-related cooling water systems, taken well in advance of the issuance of Generic Letter 89-13. These have included significant resource commitments including modifications to piping and extensive heat exchanger capability testing.

Our inspection also reviewed your ongoing efforts regarding the service water heat exchanger, including the modifications being made to the controls of the service water inlet valves for the containment air coolers. Your staff was performing a new transient analysis to support an increase of the current 78°F Chesapeake Bay water temperature limit. The

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results of this analysis are expected to support any necessary changes to the service water system operating procedures. We request that you provide to us a submittal, in writing, including a technical discussion of, and the bases, for changing the 78°F bay water temperature limit, and any associated operating procedures. This submittal should be provided in sufficient time to enable our review, in advance of your need for the required changes to support continued safe plant operation. At the exit meeting, we understand that you agreed to provide this response.

Finally, our inspectors reviewed your self-assessment reports and considered these to be thorough and extensive. The reports covered all areas comparable to a full NRC SWSOPI, and provided the basis of a comprehensive, corrective action program. Therefore, we have concluded that your service water self-assessments were an acceptable alternative to a full NRC-performed SWSOPI.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Document Room. The response requested by this letter is not subject to the clearance procedures of the Office of Management and Budget, as required by the Paperwork Reduction Act of 1980, Pub. L No. 96.511.

Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:
Marvin W. Hodges

Marvin W. Hodges, Director
Division of Reactor Safety

Enclosure: Combined Inspection Report Nos.
50-317/94-80 and 50-318/94-80

cc w/encl:

G. Detter, Director, Nuclear Regulatory Matters (CCNPP)
R. McLean, Administrator, Nuclear Evaluations
J. Walter, Engineering Division, Public Service Commission of Maryland
K. Burger, Esquire, Maryland People's Counsel
R. Ochs, Maryland Safe Energy Coalition
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Public Document Room (PDR)
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NRC Resident Inspector
State of Maryland (2)

Mr. Robert E. Denton

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bcc w/encl:

Region I Docket Room (with concurrences)

J. Wiggins, DRS

C. Cowgill, DRP

L. Nicholson, DRP

P. Wilson - Calvert Cliffs SRI

V. McCree, OEDO

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D. McDonald, NRR

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A. Gibson, RII

G. Grant, RIII

S. Collins, RIV

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