July 10, 1985

Docket Nos. 50-317
and 50-318

Mr. A. E. Lundvall, Jr.
Vice President - Supply
Baltimore Gas & Electric Company
P. O. Box 1475
Baltimore, Maryland 21203

Dear Mr. Lundvall:

We have completed our review of your responses to Item 4.2, "Reactor Trip System Reliability" of Generic Letter 83-28, "Required Actions Based on Generic Implications of Salem ATWS Events." We conclude that the information submitted in response to Item 4.2 is acceptable. Our Safety Evaluation is enclosed.

Sincerely,

/S/

Edward J. Butcher, Acting Chief
Operating Reactors Branch No. 3
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

Distribution:
Docket File
NRC & LPDRs
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EJordan
BGrimes
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ORB#3:DL	ORB#3:DL	ORB#3:DL
PKreutzer	DJaffe;ef	EJButcher
7/9/85	7/9/85	7/9/85

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P PDR

Mr. A. E. Lundvall, Jr.
Baltimore Gas & Electric Company

Calvert Cliffs Nuclear Power Plant

cc:
Mr. William T. Bowen, President
Calvert County Board of
Commissioners
Prince Frederick, Maryland 20768

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Energy Administration, Power Plant
Siting Program
ATTN: Mr. T. Magette
Tawes State Office Building
Annapolis, Maryland 21204

REQUEST FOR INFORMATION
GENERIC ISSUE 77

1. Provide a detailed discussion of the equipment and floor drainge system(s) which serve safety-related equipment or compartments containing safety-related equipment or compartments. Include diagrams as appropriate. As part of the discussion, describe the features which will prevent backflow from any area into compartments containing safety-related equipment. This discussion should include the drainage system and any other compartment openings such as doors, unsealed penetrations of grating through which fluid may flow. Sources of fluid to be considered are external flooding (ground water seepage, surface influence from rivers, lakes and rain fall ponding) and flooding due to tank failures and pipe breaks including failure of the expansion joints in the circulating water system. The backflowing fluids to be considered are water, steam and hot air. Confirm for those conditions identified above and that redundant safety-related equipment will not be adversely affected by fluid ingress into the equipment compartments.

2. Describe the design basis for sizing the equipment and floor drainage systems and the means for assuring that they can effectively handle the maximum leakage flow conditions in the specific plant areas of concern housing redundant safety-related equipment.

3. Indicate any past incidents of drainage system backflow or other concern for failure of redundant safety-related equipment that has arisen or been postulated in the past due to a fluid leak or harsh environment in safety-related equipment areas.