

# BALTIMORE GAS AND ELECTRIC COMPANY

GAS AND ELECTRIC BUILDING  
BALTIMORE, MARYLAND 21203

ARTHUR E. LUNOVALL, JR.  
VICE PRESIDENT  
SUPPLY

December 14, 1979

Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Mr. Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Subject: Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2, Docket Nos. 50-317 & 50-318  
Additional Information - IE Bulletin 79-01/01A  
Reference: (a) BG&E letter dated 12/1/79 from R. F. Ash to  
R. W. Reid, IE Bulletin 79-01/01A

Gentlemen:

The referenced letter provided our initial (24 hour) notification of the discovery of a non-qualified electrical component. This letter constitutes the 14 day follow-up as required by IE Bulletin 79-01/01A and provides additional and clarifying information on the subject as well as our proposed corrective action.

## Failure History and Repair Data

There have been seven failures of the Control Concepts coils used in the MSIV hydraulic systems during the last seventeen months. BG&E maintains an inventory of these coils and there are currently 10 replacement coils on-site. Replacement of these coils can be performed on-line and the replacement process takes about 20-30 minutes to complete.

## Status of Valve Environment and Accumulators

A check of temperature in the vicinity of the solenoid valves was made on December 11, 1979, with the air temperature at the Unit 1 solenoid valves registering 98° and a reading of 92° observed at the Unit 2 solenoid valves. It is expected that the temperature at the valves will remain at the readings stated above or lower during the upcoming winter months as the atmospheric temperature decreases.

A check of MSIV accumulator pressure is made twice per shift to ensure that each of the 19 bottles per unit is pressurized above 4750 psig. On December 11, 1979 an inspection of the accumulators revealed that all but one of the 38 accumulator bottles for both units were pressurized at or above 5000 psig (the remaining bottle was pressurized at 4900 psig). On the average, the need to change these bottles has not occurred more than once per month per unit.

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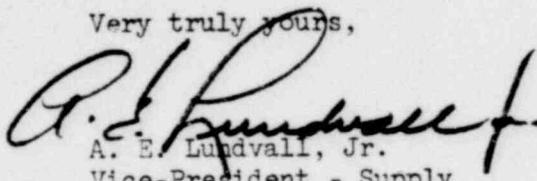
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Corrective Action

After an exhaustive search of vendors, we have determined that solenoid valves manufactured by Skinner Precision Industries' Electric Valve Division can satisfy the requirements for pressure, flow and environment with the shortest delivery time. We have been notified that delivery for these valves will be approximately 12-16 weeks. After receipt of these valves, it is our intention to replace all non-qualifying valves on the MSIV hydraulics systems with the replacement model.

As previously concluded in Reference (a) and as supplemented herein, there is adequate assurance that there will be no undue risk to the health and safety of the public as a result of continued operation of Unit Nos. 1 and 2 while this issue is being resolved.

Very truly yours,



A. E. Lundvall, Jr.  
Vice-President - Supply

cc: J. A. Biddison, Esquire  
G. F. Trowbridge, Esquire  
E. L. Conner, Jr. - NRC  
J. W. Brothers - Bechtel

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