

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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LER NO. 83-35/3X, Rev. 1  
DOCKET NO. 50-317  
LICENSE NO. DPR 53  
EVENT DATE 06-10-83  
REPORT DATE 12-01-83  
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

At our request, Vitro Laboratories Division conducted an investigation of the relatively large number of Isolation Module failures (Drawing No. 1628-1082) that have occurred since start-up of the ESF Actuation System. The results of this study show that one component, a Monsanto MCT2 optoisolator, exhibited a considerably greater than predicted degradation of lifetime.

When Vitro contacted Monsanto about this, they were informed that another manufacturer had bought, redesigned, and is now manufacturing the MCT2 devices. The new optoisolator is claimed to be an improved design. Vitro recommends that all the Isolation Modules be retrofitted with the new MCT2 optoisolator to reduce the number of module failures.

The replacement will be accomplished during the upcoming refueling periods and, of course, will include all spare Isolation Modules.

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

NUCLEAR POWER DEPARTMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT  
LUSBY, MARYLAND 20657

December 1, 1983

Dr. Thomas E. Murley  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Docket No. 50-317  
License No. DPR 53

Dear Dr. Murley:

Attached is LER 83-35/3X, Rev. 1, as required per Technical Specification 6.9.

Should you have any questions regarding this report, we would be pleased to discuss them with you.

Very truly yours,

*L. B. Russell*  
L. B. Russell  
Plant Superintendent

LBR:LFB:bsb

cc: Director, Office of Management Information  
and Program Control  
Messrs: A. E. Lundvall, Jr.  
J. A. Tiernan

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