

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

March 21, 1983

Mr. Ronald C. Haynes, Director  
U. S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Docket No. 50-318  
License No. DPR 69

Dear Mr. Haynes:

In accordance with Technical Specification 6.9.2 we are submitting the following special report describing a Fire Protection System event.

On February 6, 1983, at 2045, during normal full-power operation, a fire alarm was received for the South East Containment electrical penetration area. It was immediately verified that no fire existed in the area and the fire detector was declared inoperable (T.S. 3.3.3.7). Pursuant to the Technical Specifications the Containment temperatures were recorded every hour.

Investigation revealed the conductors of the Protecto Wire had shorted together, actuating the fire alarm. Protecto Wire is made by Fire Protection System Grinnell Co., model #ACR-1600-HD. The short was located at a point where the Protecto Wire was pulled tightly across the edge of a cable tray. Normal tray vibration eventually caused the wire insulation to wear through.

Repairs were made per manufacturer's directions, the alarm cleared and the detector was declared operable at 2035 on March 6, 1983.

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

cc: Director, Office of Management Information  
and Program Control

Messrs: A. E. Lundvall, Jr.  
J. A. Tiernan