



CHARLES CENTER • P. O. BOX 1475 • BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

March 26, 1981

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

Attn: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing



Subject: Calvert Cliffs Nuclear Power Plant
Units Nos. 1 & 2, Dockets Nos. 50-317 & 50-318
Operational Testing of the Automatic Halon 1301
Total Flooding Fire Suppression System

Gentlemen:

As reported to your Mr. E. L. Conner, Jr. on March 16, 1981, an operational test was performed on March 15, to verify design and installation of the automatic Halon 1301 Total Flooding Fire Suppression System for Unit No. 1 cable spreading room. Preoperational tests were performed on March 13 in preparation for the test which verified that control circuitry for detection, release, supervision alarm, and control were functional. During the operational acceptance test, design concentrations were attained but deteriorated rapidly, both in the room and in the Cable Chase I.C. Investigation has revealed that the ventilation damper control was in error so that interlocking control wiring was routed to the wrong damper. Thus, when the Halon system was actuated, the Halon was immediately evacuated from the room.

The interlocking control wiring is now being rerouted to the proper damper. In addition, we are continuing verification of the gas tightness of the rooms to insure there are no other significant leaks. Following these activities, a second operational acceptance test will be scheduled at the earliest opportunity when testing personnel, insurance authorities and insurance contractors can be assembled at the site; we expect this to occur by May 4, assuming a small number of leaks are found to need repair. In the interim, the system has been placed in service and upon alarm of a fire in the room, the ventilation would be secured manually by the control room operator.

BALTIMORE GAS AND ELECTRIC COMPANY

By:

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STATE OF MARYLAND:

: TO WIT:

CITY OF BALTIMORE:

Arthur E. Lundvall, Jr., being duly sworn states that he is Vice President of the Baltimore Gas and Electric Company, a corporation of the State of Maryland; that he provides the foregoing response for the purposes therein set forth; that the statements made are true and correct to the best of his knowledge, information, and belief; and that he was authorized to provide the response on behalf of said Corporation.

WITNESS my Hand and Notarial Seal:

William L. Gannery
Notary Public

My Commission Expires:

7/1/82

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