



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

ELECTRIC ENGINEERING
DEPARTMENT

July 6, 1982

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
Unit Nos. 1 & 2, Docket Nos. 50-317 & 50-318
NUREG-0737, Item II.B.1
Reactor Coolant System Vents

- References: (a) NRC letter dated 3/9/82 from R. A. Clark to A. E. Lundvall, Jr., same subject;
(b) BG&E letter dated 6/29/82 from R. C. L. Olson to R. A. Clark, same subject.

Gentlemen:

Reference (a) requested additional information concerning the design and operation of the reactor coolant vent system being installed at Calvert Cliffs as a result of the NRC's TMI Action Plan. Our initial responses to reference (a) were forwarded by reference (b). Answers to the remaining items of your request for additional information are enclosed.

Very truly yours,

R. C. L. Olson
Principal Engineer
Nuclear Licensing & Analysis Unit

RCLO/MDP:gvg
Enclosure

cc: Messrs. J. A. Biddison, Jr., Esq.
G. F. Trowbridge, Esq.
D. H. Jaffe, NRC
J. C. Ventura, Bechtel
R. E. Architzel, NRC

AO46

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION ON THE REACTOR
COOLANT VENT SYSTEM (NUREG-0737 ITEM II.B.1)

Response 3.b

The newly installed reactor coolant vent system includes piping, four solenoid valves, four isolation valves mounted on two test connections, and a temperature element. Failure of the vent system will not result in the generation of missiles that could degrade the operability of other structures, systems, or components required to achieve safe shutdown. The new valves are small and are seismically anchored to adjacent concrete structures. The temperature element, in the unlikely event that it mechanically fails, would not cause damage to safety related equipment.

Response 4.b

The reactor coolant vent system path to the containment atmosphere had been designed and procured when NUREG-0737 was issued. Valve SV-402 vents to the same area as the quench tank rupture disc. Release of hydrogen gas in this area has been previously evaluated as discussed in the FSAR (section 14.19).

Response 6

Positive indication of the reactor coolant vent system valve position is provided. Magnetically operated switches detect valve stem position and supply a signal to control room indicators. Temperature element TE 102 provides the operator with means for independent verification of system function.