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

ELECTRIC ENGINEERING
DEPARTMENT

February 2, 1981

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

Attn: Mr. Monte Conner, Project Engineer
Operating Reactors Branch #3
Division of Licensing

Subject: Calvert Cliffs Nuclear Power Plant
Units Nos. 1 & 2, Dockets Nos. 50-317 & 50-318
Auxiliary Feedwater System Modifications

Reference: Letter from A. E. Lundvall, Jr. to R. A. Clark
dated 11/18/80, NRC Requirements for Aux Feed
Systems

Gentlemen:

In the above referenced letter we discussed the scope of our Auxiliary Feedwater (AFW) modifications. Your office requested additional information on the changes we are proposing to the suction piping for the AFW pumps. The following details and attachment are presented for your information.

The AFW pumps take suction from Condensate Storage Tank (CST) 12, which is housed in a tornado and missile proof structure. The pumps can be lined up to either No. 11 CST or No. 21 CST, but these tanks are not classified as safety related, and they are not included in any reliability analysis on the system.

The outlet valve for CST 12, O-AFW-166, will have its valve internals removed. This will prevent the valve from being shut.

The individual unit isolation valves from CST 12, 1-AFW-161 and 2-AFW-161, will have normally open bypasses 1-AFW-179 and 2-AFW-179 installed around them. This will prevent a valve failure from blocking flow in the suction line. Position indication will be provided in the control room for 1-AFW-161 and 2-AFW-161.

We believe that these modifications will enable our AFW system to meet single failure criteria. Should you have any questions, feel free to contact us.

Very truly yours,

R. F. Ash
R. F. Ash
Chief Nuclear Engineer

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*Acc'd
5/11*

Mr. E. L. Conner, Jr.

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REA/WCH/smn
Attachment

cc: J. A. Biddison, Esquire
G. F. Trowbridge, Esquire
Messrs. P. W. Kruse - CE
J. C. Ventura - Bechtel

Proposed Modification to C-1000 Aux Feed System Section Piping

