

# GENERAL ELECTRIC

NUCLEAR ENERGY  
DIVISION

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BWR PROJECTS DEPARTMENT

March 24, 1976

Director of Nuclear Reactor Regulation  
Attn: R.L. Tedesco  
Assistant Director for Plant Systems  
Division of Technical Review  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

*File  
BWR Submerged Structures  
Loads*

Subject: Loads on Structures Submerged in the Suppression Pool

Dear Mr. Tedesco:

During a recent generic meeting on dynamic loads for the design of the Mark III containment, your staff suggested that additional information should be provided to clarify how loads on submerged structures were being treated. In response, we are forwarding three copies of a status report entitled "Unsteady Drag on Submerged Structures" for your information. This report represents the general approach recommended by GE for applying the postulated loss of coolant accident and safety/reliability clearing bubble loads to structures submerged in the suppression pool. Information such as this can be added to documents which identify loading conditions of this type if it is appropriate.

Please contact me or Mr. Bert Sobon if you have any comments, questions or suggestions pertaining to this information.

Sincerely,

*G. L. Gyorey*  
G. L. Gyorey, Manager  
BWR Licensing

GLG:jj  
attachments

/cc: L.S. Gifford

MFN: 076-76

## Comments

- (1) Does not address the effect of disturbance of pressure field due to the submerged structure.
- (2) Does not provide a method of pressure combination from different sources.
- (3) The model is not applicable for  
Churnflow