Westinghouse Electric Corporation
Water Reactor Divisions
Box 355
Pittsburgh Pennsylvania 15230

July 29, 1982

NS-EPR-2631

Mr. Robert J. Bosnak, Chief
Mechanical Engineering Branch
Division of Engineering
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20014

Attn: Dr. Mark Hartzman*

Dear Mr. Bosnak:

As part of the NRC's review of Westinghouse Topical Report 8929, "Benchmark Problem Solutions Employed for Verification of the WECAN Computer Code," additional information was requested to complete the review of Problem 15 in the subject Topical Report. The purpose of this letter is to transmit the requested information per our recent telecon with M. Hartzman and S. Moore.

Relative to Problem 15, Part 1, Attachment 1 contains revised pages 5-170, 5-174, 5-175 and 5-176 from WCAP-8929. The revision on page 5-170 is of a clarifying nature and briefly explains the type of information provided in Attachment 2 of this letter. The changes to pages 5-174, 5-175 and 5-176 are minor revisions to the forcing function curves.

Attachment 2 provides WECAN forcing function time-histories for Problem 15, Part 1. This information includes the steady-state forces due to weight used in vertical response analysis. These forcing functions are in units of pounds and are provided in digitized form for each node starting at time zero and ending at time = 0.189 seconds.

For Problem 15, Part 2, information was requested on the values of Young's modulus and the beam length used in this problem. This information is provided as follows:

Young's Modulus - 3.06×10^{10} lb/ft^2

Beam Length - 1 ft. (4 beam elements)

T010 Add: R.J. Bosnak
Mark Hartzman

The information provided above should be sufficient to allow the Staff to complete their review of WCAP-8929. If you have any questions on the enclosed information or other portions of WCAP-8929, please contact John McInerney (412-373-5933) of my staff.

Very truly yours,

WESTINGHOUSE ELECTRIC CORPORATION

E. P. Rahe, Jr., Manager
Nuclear Safety

JJM/anj

*w/o attachments

cc: Mr. S. E. Moore (w/attachments)
Engineering Mechanics Group
Bldg. 9204-1, Mail Stop 11
Oak Ridge National Labs
Box Y
Oak Ridge, Tennessee 27820