



April 15, 1992
LD-92-051

Docket No. 52-092

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: System 80+™ Seismic Control Motion Report

Dear Sirs:

Enclosed with this letter is the report "Selection of Control Motion for the ABB-CE System 80+ Standard Design." This report is provided for your review in advance of the System 80+ seismic meeting to be held on April 27, 1992, with your Staff in Rockville, Maryland.

Please note that the report not only identifies and discusses the hypothetical rock outcrop spectrum for which the System 80+ Standard Plant was originally designed, but also two additional control motions. The additional control motions are 1) a Regulatory Guide (RG) 1.60 spectral shape defined at the free field ground surface and 2) an 84th-percentile spectrum (per NUREG/CR-0098) with a maximum ground velocity of 36 in/sec/g and enriched frequency content above 8 Hz. The two additional control motions have been selected to address concerns raised by the Staff regarding possible low frequency deficiencies in the original control motion and to demonstrate compliance of the design with the RG 1.60 spectrum defined at the free field ground surface.

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ABB Combustion Engineering Nuclear Power

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Combustion Engineering, Inc.

1000 Prospect Hill Road
Post Office Box 500
Windsor, Connecticut 06095-0500

Telephone (203) 688-1911
Fax (203) 285-9012
Telex 99287 COMBEN WSCR

9204210232 920415
PDR ADDCK 05200002
A PDR

We will be prepared to present and discuss the selection and application of the three control motions at the April 27, 1992, meeting. If you have any questions in the meantime, please call Mr. Lyle Gerdes at (203) 285-5609 or Mr. Stan Ritterbusch at (203) 285-5206.

Very truly yours,

COMBUSTION ENGINEERING, INC.

A handwritten signature in cursive script that reads "S. E. Ritterbusch for".

C. B. Brinkman
Acting Director
Nuclear Systems Licensing

CBB/ser

cc: J. Trotter (EPRI)
T. Wambach (NRC)