NORTHEAST UTILITIES

THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203) 666-6911

March 16, 1984

Docket No. 50-423
B11083

Director of Nuclear Reactor Regulation
Mr. B. J. Youngblood
Licensing Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: (1) B. J. Youngblood letter to W. G. Counsil, Supplement to Millstone Nuclear Power Station, Unit No.3 Draft SER, dated February 24, 1984.

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3
Response to Core Performance Branch
DSER Open Item 228

Attached is Northeast Nuclear Energy Company's (NNECO) response to Core Performance Branch DSER open item 228 concerning Rod Bow Analysis which was contained in Reference (1). We expect this response will fully resolve the Staff's concerns regarding this open item. If you have any questions, please contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY,
Et. Al.
By Northeast Nuclear Energy Company, Their Agent

W. G. Counsil
Senior Vice President

C. F. Sears
By: C. F. Sears
Vice President Nuclear and
Environmental Engineering

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STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Then personally appeared before me C. F. Sears, who being duly sworn, did state that he is Vice President of Northeast Nuclear Energy Company, Applicant herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Applicants herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

Lorraine J. D'Amico
Notary Public

My Commission Expires March 31, 1988

Open Items

Core Performance Branch (CPB)

CPB-10 Rod Bow Analysis Using Newer Approved Model
(Draft SER Section 4.2.3(6))

In Section 4.2.3.1 of the FSAR, it is indicated that the model in WCAP-8691 (nonproprietary version WCAP-8692) was used for evaluation of fuel rod bowing. That report is dated 1975. A rod bowing correlation (Anderson, April 19, 1978) has been approved (Meyer, March 2, 1978) by us and has been used by others (Rubenstein, October 21, 1982) to analyze the SFA design. Also, WCAP-8691, Revision 1, was recently approved (Rubenstein, October 25, 1982) by us. The rod bow analysis should be performed using the new approved model, or the applicant should confirm that the results from the earlier model are the same as, or are conservative with respect to the results from the new approved model.

Response

Refer to revised FSAR Section 4.2.3.1 (4).