

Babcock & Wilcox

Research and Development Division

P.O. Box 1260, Lynchburg, Va. 24505

Telephone: (804) 384-5111

October 18, 1979

Mr. Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

License: CX-10, Docket 50-13

Subject: License Amendment

Dear Mr. Reid:

I request that the referenced license be amended to authorize the conduct of critical experiments which utilize nonmoderator-to-moderator ratios as described in "Hazards Evaluation Report for Tightly-Packed Fuel Storage Critical Experiment Program", October 15, 1979, which is attached.

The Department of Energy has recently contracted for the Babcock and Wilcox Company to perform critical experiments against which nuclear codes used to design tightly packed fuel pin storage may be benchmarked. Although these experiments will use the same fuel and facility already licensed by the Nuclear Regulatory Commission, I feel that an amendment is required because the nonmoderator-to-moderator ratios of the proposed cores are outside the limits previously requested.

We desire to begin fabrication of the hardware in December, 1979, and to have the first benchmark core operational by February, 1980. I therefore request your early consideration of this request.

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A check in the amount of \$2,000.00 is attached to cover the fee for a Class III amendment pursuant to 10 CFR 170.22.

If you require additional information, please contact me.

Yours very truly,

Babcock & Wilcox Company
Lynchburg Research Center

A. F. Olsen

A. F. Olsen
License Administrator

AFO:ccf

Attachment

Subscribed and sworn to before me this 23rd day of October, 1979.
City of Lynchburg, Virginia

Colleen Malt

Notary Public

My commission expires July 27, 1980

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