



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 27, 1984

Docket No.: 50-219
LS05-84-07-027

Mr. P. B. Fiedler
Vice President and Director
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Fiedler:

SUBJECT: SPENT FUEL POOL EXPANSION - REQUEST FOR
ADDITIONAL INFORMATION

Re: Oyster Creek Nuclear Generating Station

Enclosed is a copy of the Technical Evaluation Report (TER) prepared by Franklin Research Center (FRC) who reviewed the structural aspects of the rerack design and the spent fuel pool. In their report FRC concluded that your safety analysis contains the following deficiencies:

- (1) The apparent lack of convergence in the solution for gap dimension obtained by use of the computer code DYNALIS is not acceptable. (See TER paragraph 4.7)
- (2) Use of average gap dimension for calculations is not suitable. A minimum gap should be used. (See TER paragraph 4.5)
- (3) Treatment of the hydrodynamic effects in the seismic dynamic model, DYNALIS, must be clarified. (See TER paragraphs 4.2 and 4.3)

The staff concurs with the FRC assessment, and because of these concerns, the adequacy of the structural design cannot be determined at this time. Please provide resolution of these deficiencies within 15 days of receipt of this letter, so that the staff may proceed with the spent fuel pool expansion review.

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PDR ADOCK 05000219
P PDR

Mr. P. B. Fiedler

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The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,



Walter A. Paulson, Acting Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
FRC Technical Evaluation Report

cc w/enclosure:
See next page

Mr. P. B. Fiedler

cc
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