

September 20, 1990

Docket No. 50-219

Mr. E E. FitzPatrick  
Vice President and Director  
Oyster Creek Nuclear Generating Station  
P. O. Box 388  
Forked River, New Jersey 08731

Dear Mr. FitzPatrick:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING SITE SPECIFIC  
RESPONSE SPECTRA - OYSTER CREEK NUCLEAR GENERATING STATION  
(TAC NO. 68217)

By letter dated October 11, 1989, GPU Nuclear Corporation provided a report prepared by Weston Geophysical Corporation entitled "Site Specific Response Spectra - Oyster Creek Nuclear Generating Station" for our review. The staff has reviewed the information and has determined that additional information is required in order for the staff to complete its review. The specific information requested is presented in the enclosure.

We request that the information be provided within 30 days of receipt of this letter. If you have any questions regarding this request, please contact me.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than 10 respondents; therefore, OMB clearance is not required under PL.97-511.

Sincerely,

/s/

Alexander W. Dromerick, Senior Project Manager  
Project Directorate T-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

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Mr. E. E. Fitzpatrick  
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear  
Generating Station

cc:

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION  
SITE SPECIFIC RESPONSE SPECTRA  
OYSTER CREEK NUCLEAR GENERATING STATION

Criteria recommended by the NRC for developing the Oyster Creek Site Specific Response Spectra (SSRS) specified the use of earthquake records from earthquakes with epicentral distances of 25 km or less. Table 3.1 of the below referenced document lists 12 records of earthquakes with distances greater than 25 km. Please provide the following additional information:

- (a) Construct SSRS similar to those shown on figures 3.13 and 3.14 from 53 records listed in Table 3.1, eliminating 10 records from buildings with more than four stories and 10 records from earthquakes with epicentral distances greater than 25 km, recorded at structures with four stories or less.
- (b) A more detailed discussion and pertinent documentation to substantiate the statement on page 1-3 which resulted in a change of epicentral distances from more than 25 km to less than 25 km for twelve earthquake records.

Reference Document: Weston Geophysical Corporation Report "Site-Specific - Oyster Creek Nuclear Generating Station" September, 1989.