

May 29, 2001

Mr. Ronald DeGregorio
Vice President Oyster Creek
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

SUBJECT: OYSTER CREEK NUCLEAR GENERATING STATION - REQUEST FOR
ADDITIONAL INFORMATION ON THE 10 CFR 20.2002 REQUEST FOR
APPROVAL OF DISPOSAL OF DREDGED MATERIAL (TAC NO. MB1088)

Dear Mr. DeGregorio:

By letter dated December 29, 2000, you requested that the U.S. Nuclear Regulatory Commission (NRC) approve the disposal of previously-dredged material in the existing dewatering basin located on the Finninger Farm property owned by AmerGen Energy Company, LLC.

We have reviewed the information you have provided and we need additional information to complete our review. We request that you respond to the enclosed request for additional information within 30 days of the date of this letter.

If you have any questions regarding this correspondence, please contact me at (301) 415-1261.

Sincerely,

/RA/

Helen N. Pastis, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosure: Request for Additional Information

cc w/encl: See next page

AmerGen Energy Company, LLC
Oyster Creek Nuclear Generating Station

cc:

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Mayor
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Forked River, NJ 08731

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Forked River, NJ 08731

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REQUEST FOR ADDITIONAL INFORMATION
10 CFR 20.2002 REQUEST FOR APPROVAL OF
DISPOSAL OF DREDGED MATERIAL
OYSTER CREEK NUCLEAR GENERATING STATION
FACILITY OPERATING LICENSE NO. DPR-16
DOCKET NO. 50-219

1. 10 CFR 20.2002(a) requires a description of the waste containing licensed material to include:
 - physical and chemical properties important for the risk evaluation
 - the proposed manner and conditions of waste disposal

Please provide information regarding the physical and chemical properties of the waste containing licensed material at the current time. Specifically, provide the following information:

- a. Current radiological characterization (survey data) of the waste containing material to provide a means of comparing the 1996 radiological characterization given for the aquatic sediment prior to the 1997 dredging.
2. Complete information regarding the manner and conditions of waste disposal were not provided. Please provide the following information:
 - a. Was the dredged material uniformly distributed over the entire 17.5 acre dewatering basin site?
 - b. Please describe the manner in which the 50,000 cubic yards from the 1997 dredging was used to provide a 1-3 foot thick cover for the previous 100,000 and 30,000 cubic yard disposals, as this was used as a justification for not including radionuclide concentrations from materials dredged in 1978 and 1984 in the dose evaluation.
 - c. The intent regarding the use of topsoil on the dewatering basin is unclear. Please clarify whether topsoil is or is not going to be reapplied to the dewatering basin in the future.
 3. 10 CFR 20.2002(b) requires an analysis and evaluation of pertinent information on the nature of the environment.

Please provide information regarding the presence or absence of groundwater on the 17.5 acre dewatering basin site. If groundwater is present, please provide justification that the assumptions made for calculation of the NRC's default Derived Concentration Guideline Levels (DCGLs) regarding the vertical saturated hydraulic conductivity (that it is greater than the infiltration rate) and the default value for the infiltration rate for the resident farmer scenario (0.2525 m/year) are applicable to the Finninger Farm dewatering basin site.

4. Use of the NRC's default DCGLs are applicable to uniformly distributed soil surface contamination (e.g., 15-30 cm). Please provide data which demonstrates that the total volume of dredged material disposed of in 1978, 1984, and 1997, in the Finninger Farm dewatering basin meets this criteria.
5. 10 CFR 20.2002(c) requires the nature and location of other potentially affected licensed and unlicensed facilities be included in the application.

Please confirm there are no licensed or unlicensed facilities that potentially may be affected by the disposal of the dredged material.

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