

November 12, 1999

Mr. Michael Roche
Vice President and Director
GPU Nuclear, Inc.
Oyster Creek Nuclear Generating Station
P. O. Box 388
Forked River, NJ 08731

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON YOUR PROPOSED LICENSE
AMENDMENT CONCERNING THE SPENT FUEL POOL EXPANSION
(TAC NO. MA5965)

Dear Mr. Roche:

By letter dated June 18, 1999, you proposed an amendment that would modify the Oyster
Creek Nuclear Generating Station Technical Specifications to reflect the installation of
additional spent fuel pool storage racks.

In a telephone conference on November 9, 1999, we clarified the enclosed questions and
discussed the schedule for responding with your staff. The Nuclear Regulatory Commission
needs additional information to complete its review. Please respond to the enclosed request
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,

ORIGINAL SIGNED BY:

Helen N. Pastis, Sr. 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

ARC FILE CENTER CAP

DISTRIBUTION:

File Center	PUBLIC	L. Berry
PDI-1 R/F	H. Pastis	S. Peterson
ACRS	OGC	P. Eselgroth, RI
S. Little		

DOCUMENT NAME: G:\PDI-1\OYSTERCREEK\RAIMA5965.WPD

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy
with attachment/enclosure "N" = No copy

OFFICE	PM:PDI-1	E	LA:PDI-1	SC:DP
NAME	HPastis/rs		SLittle	SPeterson
DATE	11/10/99		11/8/99	11/10/99

0500219 P

Official Record Copy

DF01



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

November 12, 1999

Mr. Michael Roche
Vice President and Director
GPU Nuclear, Inc.
Oyster Creek Nuclear Generating Station
P. O. Box 388
Forked River, NJ 08731

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON YOUR PROPOSED LICENSE
AMENDMENT CONCERNING THE SPENT FUEL POOL EXPANSION
(TAC NO. MA5965)

Dear Mr. Roche:

By letter dated June 18, 1999, you proposed an amendment that would modify the Oyster Creek Nuclear Generating Station Technical Specifications to reflect the installation of additional spent fuel pool storage racks.

In a telephone conference on November 9, 1999, we clarified the enclosed questions and discussed the schedule for responding with your staff. The Nuclear Regulatory Commission needs additional information to complete its review. Please respond to the enclosed request 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,

A handwritten signature in cursive script, reading "Helen N. Pastis, Sr.".

Helen N. Pastis, Sr. 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

M. Roche
GPU Nuclear, Inc.

cc:

Mr. David Lewis
Shaw, Pittman, Potts & Trowbridge
2300 N Street, NW
Washington, DC 20037

Deborah Staudinger
Hogan & Hartson
Columbia Square
555 13th St., NW
Washington, DC 20004

Manager Licensing & Vendor Audits
GPU Nuclear, Inc.
1 Upper Pond Road
Parsippany, NJ 07054

Manager Nuclear Safety & Licensing
Oyster Creek Nuclear Generating Station
Mail Stop OCAB2
P. O. Box 388
Forked River, NJ 08731

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Mayor
Lacey Township
818 West Lacey Road
Forked River, NJ 08731

Resident Inspector
c/o U.S. Nuclear Regulatory Commission
P.O. Box 445
Forked River, NJ 08731

Kent Tosch, Chief
New Jersey Department of
Environmental Protection
Bureau of Nuclear Engineering
CN 415
Trenton, NJ 08625

RAIs FOR THE OYSTER CREEK NEW FUEL RACK INSTALLATION

1. In your submittal, you state that "Radiation levels in zones surrounding the pool are not expected to be affected significantly. Existing shielding around the fuel (water, stainless steel pool liner, and concrete wall) provides more than adequate protection, despite the slightly closer approach of the new racks to the wall of the pool." Discuss the calculation methodology used to draw the above conclusion, and provide the general (mean) increase in dose rates and the maximum dose rate increase (and locations) in, around and under the pool in accessible areas. You should describe how the dose rates will differ both during storage and movement of spent fuel.
2. You note that there may be an emergent need to use divers during the rack installation project. Provide a description of any sources of high radiation that may be in the SFP during potential diving operations at any time during the installation process. Discuss what precautions (such as use of TV monitoring, tethers, etc.) will be used to ensure that the divers will maintain a safe distance from any high radiation sources in the SFP. Describe how you plan to monitor the doses received by the divers during the reracking operation (e.g., use of dosimetry, alarming dosimeters, remote readout radiation detectors). The NRC staff finds the information, methods and guidance (pertinent to diving) in Regulatory Guide 8.38, "Control of Access to High and Very High Radiation Areas in Nuclear Power Plants," June 1983, acceptable for controlling diving operations.
3. Describe any surveys that will be performed (from the pool rim or by divers in the pool) to map dose rates in the SFP, or to check for contamination of material, equipment, or divers upon removal from the pool.