

December 27, 1990

Docket No. 50-219

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

Dear Mr. Fitzpatrick:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 77722)

The Commission has issued the enclosed Amendment No. 143 to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station, in partial response to your application dated September 21, 1990.

The amendment revises Provisional Operating License No. DPR-16, License Condition 2.C.(7) to accommodate implementation of a 21 month operating cycle with a 3 month outage, or a 24 month plant refueling cycle for the core spray spargers surveillance intervals. License Condition 2.C.(7) requires that inspections of all accessible surfaces and welds of both core spray spargers and repair assemblies be performed. The remainder of the application will be acted upon at a later date.

A copy of the related Safety Evaluation is also enclosed. Also enclosed is the Notice of Issuance which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

15/

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

Enclosures:

- 1. Amendment No. 143 to DPR-16
- 2. Safety Evaluation

cc w/enclosures:
See next page

9101100241 901227
PDR ADBCK 05000219
P PDR

*SUBJECT TO CHANGES
INDICATED ON P2 OF
AMENDMENT AND
PPI AND 2 OF
SAFETY EVALUATION*

OFC	:PDI-4:LA	:PDI-4:PM	:PDI-4:D	:OGC	
NAME	:SNORRIS	:AD Dromerick:cn	:JStolz	:E Hollen	
DATE	:11/29/90	:12/3/90	:1/3/90	:12/12/90	

OFFICIAL RECORD COPY
Document Name: AMEND77722

090088

*DF01
111 CPI*

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

Oyster Creek Nuclear
Generating Station

cc:

Ernest L. Blake, Jr.
Shaw, Pittman, Potts and Trowbridge
2300 N Street, NW
Washington, D.C. 20037

Resident Inspector
C/O U.S. NRC
Post Office Box 445
Forked River, New Jersey 08731

I. H. Jolles, Executive Vice President
GPU Service Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

Commissioner
New Jersey Department of Energy
101 Commerce Street
Newark, New Jersey 07102

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

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

BWR Licensing Manager
GPU Nuclear Corporation
1 Upper Pond Road
Parsippany, New Jersey 07054

Mayor
Lacey Township
818 West Lacey Road
Forked River, New Jersey 08731

Licensing Manager
Oyster Creek Nuclear Generating Station
Mail Stop: Site Emergency Bldg.
P. O. Box 388
Forked River, New Jersey 08731

DISTRIBUTION:

Docket File
NRC & Local PDRs
PD I-4 File
SVarga
EGreenman
SNorris
ADromerick
OGC
DHagan
EJordan
GHill (4)
Wanda Jones
JCalvo
ACRS (10)
GPA/PA
OC/LFMB



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

GPU NUCLEAR CORPORATION

AND

JERSEY CENTRAL POWER & LIGHT COMPANY

DOCKET NO. 50-219

OYSTER CREEK NUCLEAR GENERATING STATION

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 143
License No. DPR-16

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by GPU Nuclear Corporation, et al., (the licensee), dated September 21, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

9101100253 901227
PDR ADDCK 05000219
P PDR

2. Accordingly, Provisional Operating License No. DPR-16 is hereby amended by changing License Condition 2.C.(7) to read as follows:*

2.C.(7) Inspections by a method acceptable to the NRC of all accessible surfaces and welds of both core spray spargers and repair assemblies at least once per 24 months will be performed so that meaningful comparisons of any indications with previous inspections can be made. Results of the inspections along with an evaluation of the safety significance of any new or progressing indications will be provided to the Commission's staff for review. Authorization will be obtained from the Commission's staff before the plant is restarted from the refueling outage. Should the staff determine that new cracks or further progression of existing cracks has occurred resulting in unacceptable degradation of safety margins, the sparger will be replaced prior to restart.

3. This license amendment is effective as of the date of issuance, to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Page 4 of License

Date of Issuance: December 27, 1990

*Page 4 of the License is attached, for convenience, for the composite License to reflect this change.

- 2.C.(6) The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Oyster Creek Nuclear Generating Station Physical Security Plan," with revisions submitted through July 6, 1988; "Oyster Creek Nuclear Generating Station Training and Qualification Plan," with revisions submitted through June 24, 1986; and "Oyster Creek Nuclear Generating Station Safeguards Contingency Plan," with revisions submitted through June 24, 1986. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.
- 2.C.(7) Inspections by a method acceptable to the NRC of all accessible surfaces and welds of both core spray spargers and repair assemblies at least once per 24 months will be performed so that meaningful comparisons of any indications with previous inspections can be made. Results of the inspections along with an evaluation of the safety significance of any new or progressing indications will be provided to the Commission's staff for review. Authorization will be obtained from the Commission's staff before the plant is restarted from the refueling outage. Should the staff determine that new cracks or further progression of existing cracks has occurred resulting in unacceptable degradation of safety margins, the sparger will be replaced prior to restart.
- 2.C.(8) The schedule given in the Attachments to the Commission's Order dated March 14, 1983, for the completion of NUREG-0737 Item III.D.3.4, Control Room Habitability, is changed to the completion of (1) the interim system upgrade measures in Attachment I of the licensee's letter dated June 4, 1985, by the restart from the Cycle 11 Refueling outage and (2) the final measures in Attachment II of the same letter by the restart from the Cycle 12 Refueling outage.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 143

TO PROVISIONAL OPERATING LICENSE NO. DPR-16

GPU NUCLEAR CORPORATION AND
JERSEY CENTRAL POWER & LIGHT COMPANY

OYSTER CREEK NUCLEAR GENERATING STATION

DOCKET NO. 50-219

INTRODUCTION

By letter dated September 21, 1990, GPU Nuclear Corporation (licensee) submitted an application for a license amendment to Provisional Operating License No. DPR-16, Condition 2.C.(7) to accommodate implementation of a 21 month operating cycle with a 3 month outage, or a 24 month plant refueling cycle for core spray spargers surveillance intervals. The current surveillance intervals will expire prior to the currently scheduled 13R refueling outage (1st quarter 1991). The remainder of the September 21, 1990 application will be acted upon at a later date.

DISCUSSION

The licensee's request dated September 21, 1990, "Inspection of Core Spray Sparger" has been reviewed by the staff and it has found that License Condition 2.C.(7) currently requires that inspections of all accessible surfaces and welds of both core spray spargers and repair assemblies be performed at each refueling outage, which is presently defined as an interval not to exceed 20 months. The proposed change will extend inspections of all accessible surfaces and welds of both core spray spargers and repair assemblies from each refueling outage to at least once per 24 months.

During the Oyster Creek Nuclear Generating Station (OCNGS) 1978 refueling outage inservice inspection of the reactor internals, the licensee identified a crack in the upper sparger at azimuth 208 degrees. Although evaluations indicated that the cracked sparger was adequate for continued operation, an additional mechanical support was installed. During the 1980 refueling outage the mechanical support was inspected and the licensee found it remained as installed in 1978. Furthermore, during the 1980 refueling outage, inspection of the remaining spargers and annulus piping identified 21 visual and 16 ultrasonic indications. To repair the spargers the licensee added seven clamp assemblies (similar to the 1978 mechanical supports) to the upper sparger and

9101100263 901227
PDR ADOCK 05000219
P PDR

two clamp assemblies to the lower sparger. The core spray spargers and annulus piping were inspected during refueling outages in 1983, 1986, and 1988 and no new cracks in the core spray spargers were identified.

The licensee stated that the proposed change of the refueling outage interval from 20 months to 24 months will have no effect on the assurance of structural integrity of the core spargers and annulus piping since the results of the 1983, 1986, and 1988 inspections confirm that the propagation of existing cracks and the initiation of new cracks has been alleviated by the installation of the mechanical support and clamp assemblies. Thus, the licensee concluded that the proposed change has no effect on the safety function of the core spray spargers.

Based on the licensee's operating and inspection experience, and inspection results during 1983, 1986, and 1988, the staff finds that the License Condition 2.C.(7) change as discussed above is acceptable. The staff also concludes that the proposed change will not effect the safety functions of the core spray spargers and repair assemblies at the Oyster Creek Nuclear Generating Station.

ENVIRONMENTAL CONSIDERATIONS

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and finding of no significant impact has been prepared and published in the Federal Register on December 26, 1990 (55 FR 53087). Accordingly, based upon the environmental assessment, we have determined that the issuance of the amendment will not have a significant effect on the quality of the human environment.

CONCLUSION

The staff has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Dated: December 27, 1990

Principal Contributor: T. McLellan

UNITED STATES NUCLEAR REGULATORY COMMISSIONGPU NUCLEAR CORPORATIONDOCKET NO. 50-219NOTICE OF ISSUANCE OF AMENDMENT TOFACILITY OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (Commission) has issued Amendment No. 143 to Provisional Operating License No. DPR-16 issued to GPU Nuclear Corporation (GPUN, the licensee), which revised the license for operation of the Oyster Creek Nuclear Generating Station located in Ocean County, New Jersey. The amendment is effective as of the date of issuance.

The amendment revises Provisional Operating License No. DPR-16, License Condition 2.C.(7) to accommodate implementation of a 21 month operating cycle with a 3 month outage, or a 24 month plant refueling cycle for the core spray spargers surveillance intervals. License Condition 2.C.(7) requires that inspections of all accessible surfaces and welds of both core spray spargers and repair assemblies be performed. The remainder of the application will be acted upon at a later date.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment.

9101100271 901227
PDR ADOCK 05000219
P PDR

Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on October 18, 1990 (55 FR 42294). No request for a hearing or petition for leave to intervene was filed following this notice.

The Commission has prepared an Environmental Assessment related to the action and has determined not to prepare an environmental impact statement. Based upon the environmental assessment, the Commission has concluded that the issuance of this amendment will not have a significant effect on the quality of the human environment.

For further details with respect to the action see (1) the application for amendment dated September 21, 1990, (2) Amendment No. 143 to License No. DPR-16, (3) the Commission's related Safety Evaluation, and (4) the Commission's Environmental Assessment. All of these items are available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street N.W., Washington, D.C. and at the Ocean County Library, Reference Department, 101 Washington Street, Toms River, New Jersey, 08753. A copy of items (2), (3) and (4) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Reactor Projects-I/II.

Dated at Rockville, Maryland this 27th day of December 1990.

FOR THE NUCLEAR REGULATORY COMMISSION



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