

Docket No. 50-219

MAR 14 1978

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Jersey Central Power & Light Company
 ATTN: Mr. I. R. Finrock, Jr.
 Vice President - Generation
 Madison Avenue at Punch Bowl Road
 Morristown, New Jersey 07960

Gentlemen:

The Commission has issued the enclosed Amendment No. 30 to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station. This amendment consists of changes to the Technical Specifications and is in response to your application dated December 27, 1977.

The amendment extends the current MAPLHGR curves to exposures expected during the current Oyster Creek operating cycle.

Copies of the related Safety Evaluation and the Notice of Issuance also are enclosed.

Sincerely,

Original Signed By:
 Dennis L. Ziemann

Dennis L. Ziemann, Chief
 Operating Reactors Branch #2
 Division of Operating Reactors

Enclosures:

1. Amendment No. 30 to License DPR-16
2. Safety Evaluation
3. Notice

cc w/enclosures:
 See next page

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Jersey Central Power & Light Company - 2 -

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cc:

G. F. Trowbridge, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Steven P. Russo, Esquire
248 Washington Street
P. O. Box 1060
Toms River, New Jersey 08753

Jersey Central Power & Light Company
ATTN: Mr. T. Gary Broughton
Safety and Licensing Manager
GPU Service Corporation
260 Cherry Hill Road
Parsippany, New Jersey 07054

Anthony Z. Roisman
Natural Resources Defense Council
917 15th Street, N. W.
Washington, D. C. 20005

Honorable Joseph W. Ferraro, Jr.
Deputy Attorney General
State of New Jersey
Department of Law & Public Safety
Consumer Affairs Section
1100 Raymond Boulevard
Newark, New Jersey 07102

Mark L. First
Deputy Attorney General
State of New Jersey
Department of Law & Public Safety
Environmental Protection Section
36 West State Street
Trenton, New Jersey 08625

Mayor, Lacey Township
P. O. Box 475
Forked River, New Jersey 08731

Jersey Central Power & Light Company
ATTN: Mr. Joseph Carroll
Plant Superintendent
Oyster Creek Plant
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960

Chief, Energy Sys. Analysis Br. (AW-459)
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 645, East Tower
401 M Street, S. W.
Washington, D. C. 20460

U. S. Environmental Protection Agency
Region II
ATTN: EIS COORDINATOR
26 Federal Plaza
New York, New York 10007

Gene Fisher
Bureau Chief
Bureau of Radiation Protection
380 Scotts Road
Trenton, New Jersey 08628

Ocean County Library
Brick Township Branch
401 Chambers Bridge Road
Brick Town, New Jersey 08723

Commissioner
Department of Public Utilities
State of New Jersey
101 Commerce Street
Newark, New Jersey 07102
(w/cy of JCP&L Appl. of 12/27/77)

JERSEY CENTRAL POWER & LIGHT COMPANY

DOCKET NO. 50-219

OYSTER CREEK NUCLEAR GENERATING STATION, UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 30
License No. DPR-16

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Jersey Central Power and Light Company (the licensee) dated December 27, 1977, 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.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 3.B. of Provisional License No. DPR-16 is hereby amended to read as follows:

3.B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 30, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Authorized Signature by:
Dennis L. Zierann

Dennis L. Zierann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: MAR 14 1978

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ATTACHMENT TO LICENSE AMENDMENT NO. 30

PROVISIONAL OPERATING LICENSE NO. DPR-16

DOCKET NO. 50-219

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by amendment number and contains vertical lines indicating the area of change.

Remove

3.10-8

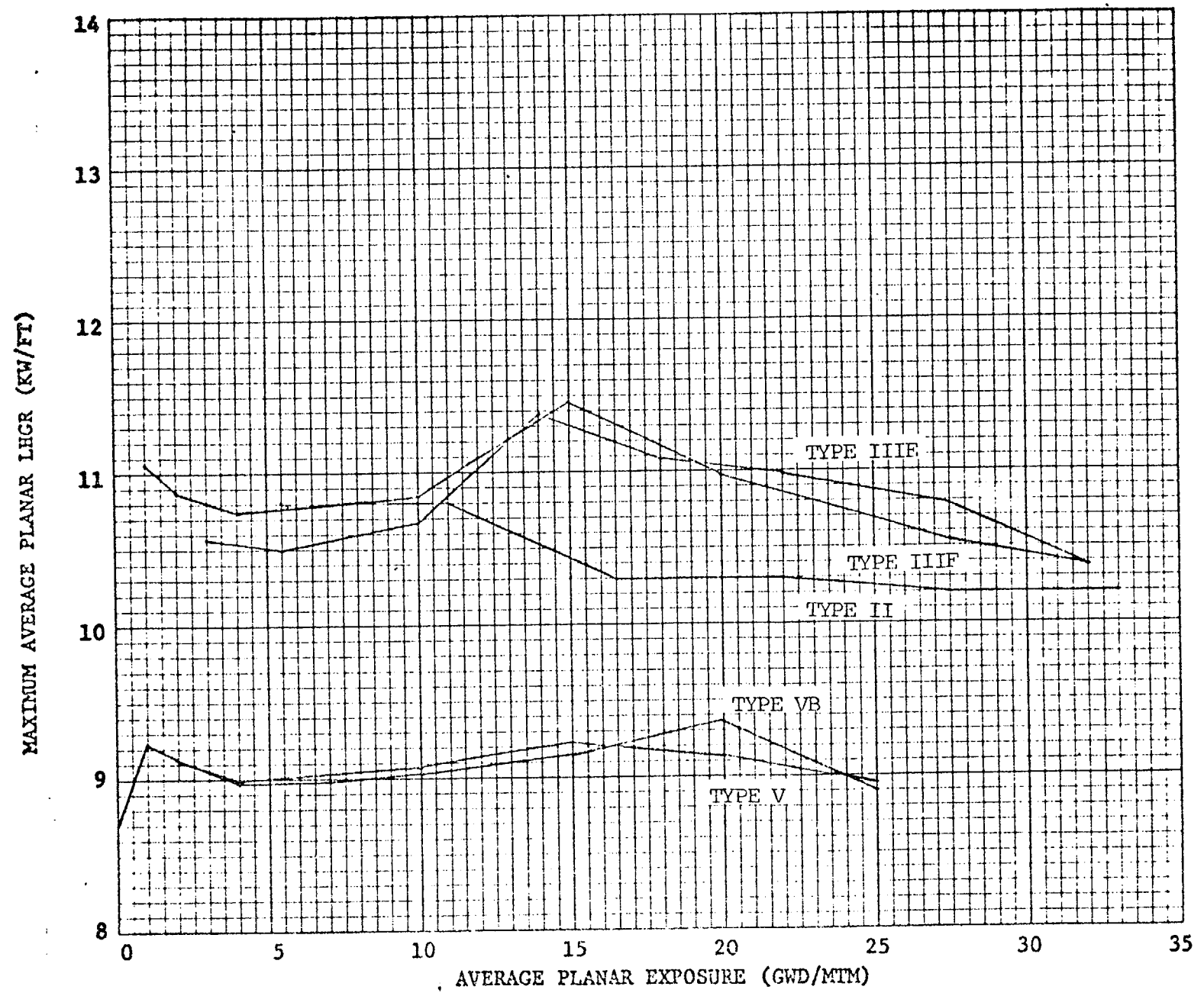
Replace

3.10-8

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FIGURE 3.10.1

MAXIMUM ALLOWABLE AVERAGE PLANAR
LINEAR HEAT GENERATION RATE





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 30 TO PROVISIONAL OPERATING LICENSE NO. DPR-16
JERSEY CENTRAL POWER AND LIGHT COMPANY
OYSTER CREEK NUCLEAR GENERATING STATION
DOCKET NO. 50-219

Introduction

By letter dated December 27, 1977, Jersey Central Power and Light Company (JCP&L) requested an amendment to Provisional Operating License No. DPR-16. The amendment would modify the Technical Specifications for the Oyster Creek Nuclear Generating Station to extend the MAPLHGR curves to exposures expected during the current operating cycle.

Background

JCP&L is currently performing a reanalysis of the Oyster Creek Loss-of-Coolant Accident, using the recently approved Exxon Nuclear Company's WREM-based Emergency Core Cooling System Evaluation Model. Since the reanalysis will not be completed until later in the fuel cycle, JCP&L has requested an extension of the Maximum Allowable Average Planar Heat Generation Rate (MAPLHGR) curves as a function of fuel exposure using the previously approved and more conservative model.

The proposed amendment would extend the MAPLHGR specification for fuel types currently in the core by modifying Figure 3.10.1. This modification extends the calculated MAPLHGR from 27.5 GWD/MTM (thousand megawatt days/metric ton) to 32 GWD/MTM for fuel types III E and III F, and from 20 GWD/MTM to 25 GWD/MTM for fuel types V and V B. The calculated MAPLHGR for fuel type II is not changed.

Evaluation

The proposed extensions of MAPLHGR shown in Figure 3.10-1 are based on an analysis using an approved ECCS evaluation model in agreement with Appendix K to 10 CFR Part 50. This analysis, performed by

Exxon Nuclear Company (ENC) and used by JCP&L was found acceptable, and License Amendment No. 15 dated February 24, 1976, to Provisional Operating License No. DPR-16 documents our evaluation and acceptance. Additional evaluation of heat transfer coefficients to be used in the analysis were reviewed by the staff and our evaluation and acceptance of these coefficients are documented in License Amendment No. 16.

We have reviewed the proposed changes and have concluded that they are based on calculation methods previously accepted; they do not change MAPLHGR limits previously found acceptable but only extend the previous calculations to higher fuel exposures and therefore are acceptable.

Environmental Considerations

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR §51.5(d)(4) that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards considerations, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: March 14, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-219JERSEY CENTRAL POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO PROVISIONAL
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 30 to Provisional Operating License No. DPR-16, issued to Jersey Central Power & Light Company (the licensee), which revised the Technical Specifications for operation of the Oyster Creek Nuclear Generating Station (the facility) located in Ocean County, New Jersey. The amendment is effective as of its date of issuance.

The amendment extended the current Maximum Average Planar Linear Heat Generation Rate curves to exposures expected during the next operating cycle.

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. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §1.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated December 27, 1977, (2) Amendment No. 80 to License No. DPR-16, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the Ocean County Library, Brick Township Branch, 401 Chambers Bridge Road, Brick Town, New Jersey 08723. A single copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this *14th* day of *March*, 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

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