

MAR 31 1986

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

Dear Mr. Fiedler:

SUBJECT: DIESEL FIRE PUMP BATTERY SYSTEM (TAC 60620, TSCR 138)

Re: Oyster Creek Nuclear Generating Station

The Commission has issued the enclosed Amendment No. 101 to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station. This amendment is in response to your application dated January 28, 1986.

This amendment authorizes a change to the Appendix A Technical Specifications (TS) surveillance requirements on the Fire Pump Diesel 24-volt battery bank in Section 4.12, Fire Protection. This change allows the licensee to use a two 12-volt battery cell configuration in addition to the existing twelve 2-volt cell configuration for the 24-volt DC diesel fire pump battery system. This change would revise the surveillance requirements on the cell voltage to be greater than or equal to either 2 volts or 12 volts based on the cell configuration.

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notices.

Sincerely,

Original signed by

John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

Enclosures:

- 1. Amendment No. 101 to License No. DPR-16
- 2. Safety Evaluation

cc w/enclosures:
See next page

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P PDR

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

March 31, 1986

Docket No. 50-219

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

Dear Mr. Fiedler:

SUBJECT: DIESEL FIRE PUMP BATTERY SYSTEM (TAC 60620, TSCR 138)

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A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notices.

Sincerely,

A handwritten signature in black ink, appearing to read "John A. Zwolinski".

John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

Enclosures:

1. Amendment No. 101 to License No. DPR-16
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. P. B. Fiedler
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear
Generating Station

cc:
Ernest L. Blake, Jr.
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, D.C. 20036

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

J.B. Liberman, Esquire
Bishop, Liberman, Cook, et al.
1155 Avenue of the Americas
New York, New York 10036

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

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Eugene Fisher, Assistant Director
Division of Environmental Quality
Department of Environmental
Protection
380 Scotch Road
Trenton, New Jersey 08628

BWR Licensing Manager
GPU Nuclear
100 Interpace Parkway
Parsippany, New Jersey 07054

Deputy Attorney General
State of New Jersey
Department of Law and Public Safety
36 West State Street - CN 112
Trenton, New Jersey 08625

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

D. G. Holland
Licensing Manager
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731



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. 101
License No. DPR-16

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by GPU Nuclear Corporation and Jersey Central Power and Light Company (the licensees) dated January 28, 1986, 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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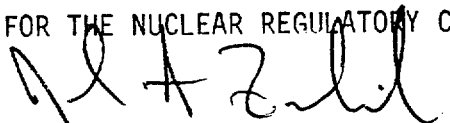
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Provisional Operating License No. DPR-16 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.101, are hereby incorporated in the license. GPU Nuclear Corporation 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



John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 31, 1986

ATTACHMENT TO LICENSE AMENDMENT NO.100

PROVISIONAL OPERATING LICENSE NO. DPR-16

DOCKET NO. 50-219

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the attached pages. The revised pages are identified by the captioned amendment number and contain vertical lines indicating the area of change.

REMOVE

4.12-2

INSERT

4.12-2

- f. At least once per 3 years by performing a flow test of the system in accordance with Chapter 5, Section 11 of the Fire Protection Handbook, 14th Edition published by the National Fire Protection Association.
2. The Fire Pump Diesel Engine shall be demonstrated operable.
- a. At least once per month by verifying the fuel storage tank contains at least 275 gallons of fuel.
- b. At least once per month by verifying that the diesel starts from ambient conditions and operates for at least 30 minutes on a circulation flow.
- c. At least once per 3 months by verifying that a fuel sample, obtained in accordance with ASTM-0270-65, from each tank is within the acceptable limits specified in Table 1 of ASTM D 975-1974 when checked for viscosity, water and sediment.
3. The Fire Pump Diesel 24 volt battery bank and associated charger shall be demonstrated operable:
- a. At least once per week by verifying that:
1. The electrolyte level of each cell is above the plates,
 2. The pilot cell voltage is greater than or equal to 2.0 volts or 12.0 volts based on the cell configuration used,
 3. The pilot cell specific gravity, corrected to 77F, will be recorded for surveillance review,
 4. The overall battery voltage is greater than or equal to 24 volts.
- b. At least once per 3 months by verifying that:
1. The voltage of each connected cell is greater than or equal to 2.0 volts or 12.0 volts based on the cell configuration used,
 2. The specific gravity, corrected to 77 F, of each cell will be recorded for surveillance review.
 3. The electrolyte level of each cell is above the plates.
- c. At least once per 18 months by verifying that:
1. The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO.101 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

1.0 INTRODUCTION

By letter dated January 28, 1986, GPU Nuclear (the licensee) requested an amendment to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station (Oyster Creek). This amendment authorizes a change to the Appendix A Technical Specifications (TS) surveillance requirements on the Fire Pump Diesel 24-volt battery bank in Section 4.12, Fire Protection. This change would allow the licensee to use a two 12-volt battery cell configuration in addition to the existing twelve 2-volt cell configuration for the 24-volt DC diesel fire pump battery system (DFPBS). This change would revise the surveillance requirements on the cell voltage to be greater than or equal to either 2 volts or 12 volts based on the cell configuration.

2.0 DISCUSSION AND EVALUATION

The licensee has proposed Technical Specification Change Request (TSCR) 138 to provide the option of using a two 12-volt battery cell configuration--six 2-volt cells with the intercell connection inaccessible for surveillance--in addition to the existing twelve 2-volt cell configuration with the 2-volt intercell connection accessible for surveillance. Either of these cell configurations would provide the 24 volts needed for the 24-volt DC DFPBS.

The DFPBS performance will not be affected by this change. The overall voltage and capacity of the DFPBS will not be changed. The only change is to allow the DFPBS to be either (1) twelve 2-volt cells with the intercell connection accessible for surveillance being the 2-volt cell or (2) two 12-volt cells with the intercell connection accessible for surveillance being the 12-volt cell. The 12-volt cell is composed of six 2-volt cells but the intercell connections are not accessible for surveillance. This TSCR would not change the number of 2-volt cells in the DFPBS but it would change the number of cells required to be accessible for surveillance. It would not change the overall voltage and capacity of the DFPBS and would not affect the function of the DFPBS. This TSCR would not change the method, frequency or the reliability of the surveillance on the DFPBS.

Therefore, based on the above, the staff concludes that proposed TSCR 138 is acceptable.

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3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and a change to the surveillance requirements. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 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 the issuance of this amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: Jack Donohew, Jr.

Dated: March 31, 1986