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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

January 22, 1974

Docket No. 50-219

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

Change No. 19
License No. DPR-16

Gentlemen:

Your letter dated January 22, 1974, submitted a proposed change to the Technical Specifications of Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Power Plant Unit No. 1. The proposed change would allow continued operation at 50% power with the oxygen content of the containment atmosphere above 5 volume percent for an additional 48 hours over that specified in Section 3.5.A.6 of the Technical Specifications.

Section V-1 of the SAR states that inerting of the primary containment provides margin against the generation of a flammable mixture of oxygen and hydrogen which may occur in a loss-of-coolant accident (LOCA). The generation of hydrogen following a LOCA is dependent upon the resulting fuel clad temperature which is dependent upon power level in the reactor prior to the accident. With the reactor operating at not greater than 50% rated power, there is additional margin to provide reasonable assurance that the fuel clad temperatures will be below that required to generate a flammable mixture of hydrogen and oxygen following a LOCA.

Based on our review of the proposed change, we have concluded that implementation of the change will not present significant hazards considerations and that there is reasonable assurance that the health and safety of the public will not be endangered by operation in the manner proposed.

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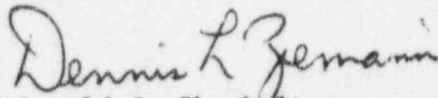
Accordingly, pursuant to Section 50.59 of 10 CFR Part 50, the Technical Specifications of Provisional Operating License No. DPR-16 are hereby changed as follows:

On page 3.5-1 of the Technical Specifications add the following to the first sentence of paragraph 3.5.A.6:

"except that between 12:30 p.m., January 22, 1974, and 12:30 p.m., January 24, 1974, the reactor may be operated at power levels up to 50% of rated with O₂ in the primary containment greater than 5%."

This change to the Technical Specifications shall be deleted as of 12:30 p.m., January 24, 1974.

Sincerely,

for 
Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

cc: See next page

Jersey Central Power & Light
Company

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cc: G. F. Trowbridge, Esquire
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cc w/cy of JCPL ltr dtd 1/22/74:
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ATTN: Joan Sause
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