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October 25, 1965

Samuel W. Jensch, Esquire
Chairman, Atomic Safety and
Licensing Board
United States Atomic Energy Commission
Washington, D. C. 20545

Re: Jersey Central Power & Light Company
Docket No. 50-219

Dear Mr. Jensch:

On June 11, 1965 Jersey Central submitted to the Board a supplemental design report dated May 31, 1965, in compliance with the Board's Initial Decision in this proceeding and Section 2D(2) and (3) of Construction Permit No. CPER-15 issued pursuant thereto. The report described design progress which had been made since the public hearing in October, 1964 on the application for a construction permit, as well as certain areas where design decisions were dependent on completion of engineering, experimental and analytical work then in progress. Included in the latter category were decisions dependent on further metal-water reaction test and analytical programs described in the report.

General Electric has advised Jersey Central that analytical and experimental work on metal-water reaction has proceeded to a point which has enabled General Electric to select a metal-water reaction fraction and rate as the design basis for Oyster Creek and other boiling water reactor plants. The accident design basis selected for the Oyster Creek plant is conservative with reference to its dependence upon the core spray and is consistent with the design of other General Electric boiling water reactors currently under consideration by the AEC. To accommodate the metal-water reaction fraction and rate, which are somewhat larger than those used in the preliminary safeguards analysis, General Electric has submitted to Jersey Central proposed modifications in the core spray and containment cooling systems which

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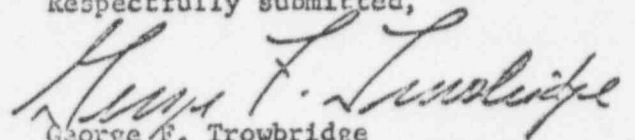
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were described in the above report. We understand that the design as it has developed will provide adequate heat removal capacity, with redundancy, in the event of a loss-of-coolant-accident under the conservative metal water reaction basis assumed.

We are presently evaluating the proposed cooling system design and will discuss the same with the AEC staff after we have completed such evaluation.

We are advising you to this effect so that you may promptly know that we do not presently consider as final the physical design of the cooling systems as presented in our report dated May 31, 1965.

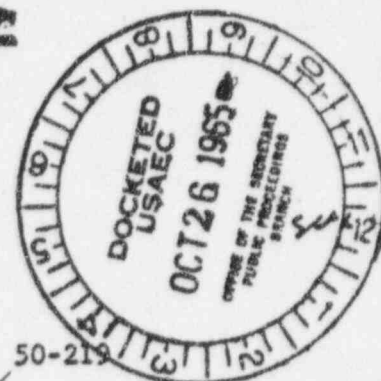
Respectfully submitted,


George F. Trowbridge
SHAN, PITTMAN, POTTS, TROWBRIDGE AND
MADDEN
Counsel for Applicant

GFT:els

DOCKET NUMBER
PROD. & UTIL. REG. 50-219

UNITED STATES OF AMERICA
ATOMIC ENERGY COMMISSION



IN THE MATTER OF)
)
JERSEY CENTRAL POWER & LIGHT COMPANY)

DOCKET NO. 50-219

(original)
File Copy

CERTIFICATE OF SERVICE

This is to certify that copies of the enclosed letter dated October 25, 1965 have been served upon the following by deposit in the United States mail this 25th day of October, 1965:

Samuel W. Jensch, Esquire
Chairman, Atomic Safety and
Licensing Board
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Washington, D.C. 20545

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Washington, D. C. 20545

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The Honorable Arthur J. Sills
Attorney General
State House Annex
Trenton, New Jersey

The Honorable August Kofeet
Mayor of Lacey Township
Ocean County, New Jersey

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Counsel for Applicant

Dated: October 25, 1965

AIH