



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

Docket No. 50-219

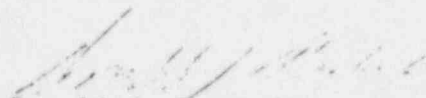
Jersey Central Power & Light Company
ATTN: Mr. I. R. Finfrock, Jr.
Vice President - Generation
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960

Gentlemen:

You have provided analyses of the effect of densification during steady-state operations, transients and postulated accidents in your letter of August 15, 1973, and in the referenced GE topical report "Fuel Densification Effects on General Electric Boiling Water Reactor Fuel," NEDM-10735, Supplements 6, 7, and 8, August 1973. Your analyses indicated that the average planar linear heat generation rate of any fuel assembly must comply with the limit set forth in a curve labeled "γ" in Figures 4-9A1 and 4-9A2 of NEDM-10735, Supplements 6, 7, and 8 to meet the criteria set forth in our densification model.

It is our understanding that the "γ" curves of Figures 4-9A1 and 4-9A2 are based on detailed core heatup calculations up to 15,000 Mwd/T burnup. Beyond this burnup, the "γ" curves were extrapolated based on available information. Please extend the detailed heatup calculations to higher burnups. These calculations and the revised "γ" curves should be submitted for staff review by November 5, 1973.

Sincerely,


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

cc: G. F. Trowbridge, Esquire
Shaw, Pittman, Potts, Trowbridge
and Madden
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ccs continued on next page

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cc: GPU Service Corporation
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