

ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.
VICE PRESIDENT

TELEPHONE
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November 7, 1974

Mr. James P. O'Reilly
Director
U.S. Atomic Energy Commission
Directorate of Regulatory Operations
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Subject: Unusual Event - R.E. Ginna Nuclear Power Plant Unit No. 1
Docket No. 50-244

Dear Mr. O'Reilly:

Rochester Gas and Electric Corporation was informed at a meeting on October 8, 1974 by Westinghouse Electric Corporation that the Safety Injection System delivery curve employed for the Steam Line Break Accident Analysis (SLBA Analysis) was inconsistent with that used for recent Loss of Coolant Accident Analyses. The delivery curve had been revised subsequent to the most recent SLBA Analysis, performed by Westinghouse in February 1971, to account for the as-built piping configuration and operational characteristics and to include a provision for system degradation over the life of the plant. These revisions resulted in a lowering of the delivery curve.

Preliminary analyses performed by Westinghouse with conservative reactivity parameters demonstrate that a shutdown margin of $2.45\% \Delta k/k$ will insure that all design criteria are met. The calculated shutdown margin for the present fuel cycle, Cycle 4, which includes provision for the most reactive control rod being stuck out of the core and includes a 10% design allowance, is $2.48\% \Delta k/k$ at the end of the cycle (0 ppm boron) with equilibrium xenon and $3.25\% \Delta k/k$ at the beginning of the cycle with equilibrium xenon. The shutdown margin required by the Technical Specifications is $1.9\% \Delta k/k$ at the end of the cycle.

Rochester Gas and Electric Corporation has asked Westinghouse to perform additional analyses in order to minimize the shutdown margin required to meet all design objectives. In the interim, RG&E will maintain a shutdown margin at least $2.45\% \Delta k/k$.

Very truly yours,

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L. D. White, Jr.
L. D. White, Jr.

xc: E. Case