



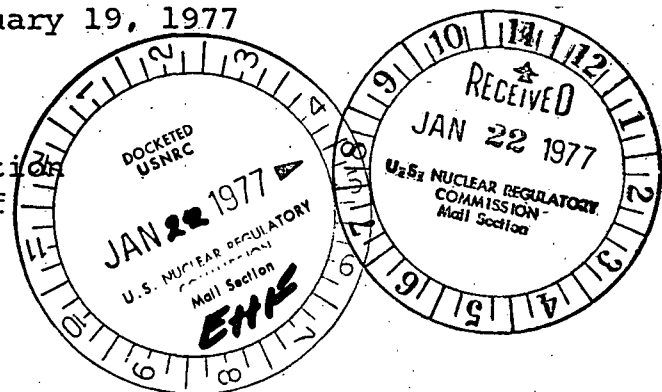
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Regulatory

File Cy3

January 19, 1977

Director of Nuclear Reactor Regulation
Attn: Mr. Dennis L. Ziemann, Chief
Operating Reactors - Branch 2
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Subject: Dresden Station Units 1, 2, and 3
Quad-Cities Station Units 1 and 2
Impact of Input Errors on 10 CFR 50.46
Appendix K Analysis - NRC Docket Nos.
50-10/237/249 and 50-254/265

Dear Mr. Ziemann:

As requested by your Staff on January 14, 1977, General Electric Company has provided Commonwealth Edison Company with the total impact of errors in the Appendix K analysis for Dresden Units 1, 2, and 3 and Quad-Cities Units 1 and 2.

All errors mentioned in your communication of January 14, 1977, with the exception of the "Pressure Rule", apply to Dresden Units 2 and 3 and Quad-Cities Units 1 and 2. The maximum effect of these input errors is a 6% reduction in the Average Planar Linear Heat Generation Rate (MAPLHGR) at points where this value is limited by peak clad temperature (PCT) considerations.

Commonwealth Edison Company has conservatively applied a 6% reduction for the MAPLHGR limits for all fuel at all exposures. Within two weeks, General Electric Company will provide the final calculations which will provide the bases for the proposed new MAPLHGR limits for the Technical Specifications.

Dresden Unit 1 is not affected by these input errors. For the postulated conditions assumed in the Appendix K calculations, the core does not reflood and thus "pressure rule" and "vaporization correlation" are not applicable. The Dresden Unit 1 fuel is surveyed by a central computer and not a process computer. Double credit for "gamma smearing" has not been taken in this program.

Commonwealth Edison Company

Mr. Dennis L. Ziemann

- 2 -

January 19, 1977

This information has been discussed by telephone with Mr. Silver of your Staff.

One (1) signed original and 59 copies are provided for your use.

Please address any further questions on this matter to this office.

Very truly yours,



R. L. Bolger
Assistant Vice President