



NUCLEAR SYSTEMS SAFETY PROGRAM NS82-085/0357b June 21, 1982

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Division of Safety Technology
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Frank:

Please find enclosed two copies of a draft report entitled, "Initial Guidance on Digraph-Matrix Analysis for Systems Interaction Studies at Selected LWR's," which are due in accordance with FIN A0403. I would welcome any comments, criticisms, or suggested changes to the draft. I plan to complete a final report one month after your comments are received and incorporated into the report.

For your convenience, I have also enclosed: (1) Appendix 1.0, "Comparison of the Mathematical Basis of Probabilistic Risk Assessment to Digraph-Matrix Analysis," and (2) Appendix 2.0, "Initial Guidance on Digraph-Matrix Analysis for Systems Interactions." These separate packages can be directly appended to your "Initial Guidance..." report.

I look forward to receiving your comments.

Sincerely,

H.P. Alesso

Nuclear Systems Safety Program

HPA:tlm enclosure