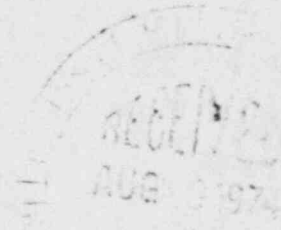




**Florida
Power**
CORPORATION



August 6, 1974



Mr. A. Giambusso
Deputy Director for
Reactor Projects
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Giambusso:

On January 4, 1974, the AEC issued the Final Acceptance Criteria (FAC) for ECCS evaluation as revisions to 10 CFR 50.46. In compliance with these revisions, Babcock & Wilcox has developed an evaluation model which meets the requirements of Appendix K of 10 CFR 50. The description in this model is contained within their non-proprietary topical report BAW-10091, "B&W's ECCS Evaluation Model Report with Specific Application to 177 FA Class Plants with Lowered Loop Arrangement," which has been submitted to the Directorate of Licensing (DOL) on August 5, 1974. In addition, B&W has provided supporting documentation for the computer codes utilized in this model in the following non-proprietary topical reports:

1. BAW-10092, "CRAFT 2-Fortran Program for Digital Simulation of a Multinode Reactor Plant During Loss of Coolant"
2. BAW-10093, "REFLOOD - Description of Model for Multinode Core Reflood Analysis"
3. BAW-10094, Babcock & Wilcox Revisions to THETA1-B, A Computer Code for Nuclear Reactor Code Thermal Analysis - IN-1445.
4. BAW-10095, Babcock & Wilcox Revisions to CONTEMPT - Computer Program for Predicting Containment Pressure - Temperature Response to a Loss-of-Coolant Accident.

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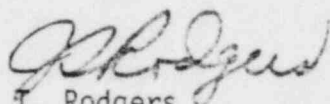
Mr. A. Giambusso

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The analysis presented in BAW-10091 for the 177 FA class plants with lowered loop is generic in nature, since the plant parameters utilized in the analysis (such as the rated power level, fuel densification and containment building volume) are taken to be the most conservative values for all plants of this type. Thus, the results contained in BAW-10091 provide an overly conservative analysis for all plants of this type and can be applied to the Crystal River 3 Plant. As such, we adopt the results contained in BAW-10091 to this plant. These results demonstrate conformance to the criteria of 10 CFR 50.46.

Very truly yours,


J. T. Rodgers
Assist. Vice President

JTR/iw