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 CRUTCHFIELD,D. Operating Reactors Branch 5

SUBJECT: Clarifies 830519 & 27 ltrs re SEP Topic III.7-B, "Design Codes, Design Criteria & Load Combinations." Concrete Code change evaluation results apply to all required loading conditions.

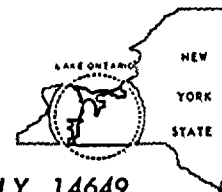
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August 19, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: SEP Topic III-7.B, Design Codes, Design Criteria,
and Load Combinations
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

The purpose of this letter is to clarify our submittals of May 19, 1983 and May 27, 1983 regarding SEP Topic III-7.B, "Design Codes, Design Criteria, and Load Combinations."

In Section 4.0 of Appendix A attached to the May 19, 1983 report, a discussion of the significant code changes related to steel structures is provided. It is stated that only normal operating loads and load combinations were used in the code change comparisons. Actually, these normal operating loads and load combinations were used only in the initial screening. Where it was determined that a code change was significant, specific analysis was performed using all of the load combinations defined in Table 2-4 of that report, which also included extreme conditions for tornado loadings. However, no specific analysis of code changes for steel elements was performed using SSE load combinations. A review of the specific code changes makes it apparent that some code changes were considered not applicable or insignificant. Potentially significant changes include compression elements, tension members, coped beams, moment connections, and steel embedments. RG&E considers that the main structural elements (compression elements and tension members) can be considered as previously analyzed and accepted by virtue of the overall Lawrence Livermore Laboratory analysis for the Ginna structures, as provided in NUREG/CR-1821. No additional analysis is considered necessary by RG&E. The remaining code changes concerning coped beams, moment connections, and steel embedments

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DATE August 19, 1983

TO Mr. Dennis M. Crutchfield

will be evaluated by RG&E relative to seismic loadings in conjunction with the proposed Structural Upgrade Program. It should be noted that the significant load combinations to be applied to these elements are defined in Attachment 2 to RG&E's May 27, 1983 letter relative to SEP Topic III-7.B.

In Section 5.0 of Attachment 3 to the May 27, 1983 letter, a description of the concrete code changes is provided together with an evaluation of the results. It should be noted that, for these code changes, the elements were reviewed using all of the loads and load combinations, and their magnitudes, as defined in Sections 4.1 and 4.2 of Attachment 3. These included both extreme tornado and extreme seismic loadings. Consequently, it can be concluded that the concrete code change evaluation results apply to all required loading conditions.

Very truly yours,


John E. Maier

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DO hereby certify that
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is the true and correct copy of the
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