Docket No. 50-244

Mr. Leon D. White, Jr. Vice President Electric and Steam Production Rochester Gas & Electric Corporation 89 East Avenue Rochester, New York 14649

Dear Mr. White:

RE: R. E. GINNA NUCLEAR POWER STATION SYSTEMATIC EVALUATION PROGRAM TOPICS - III-2, III-3.A, and III-7.B

To continue our review of the subject topics the additional information described in the enclosure is required. Please provide your response within 30 days of the date of this letter.

Sincerely,

Original signed by Donnis L. Ziennes

Dennis L. Ziemann, Chief **Operating Reactors Branch #2** Division of Operating Reactors

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Enclosure: Request for Additional Information

cc w/enclosure: See next page

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Mr. Leon D. White, Jr.

cc w/enclosure: Lex K. Larson, Esquire LeBoeuf, Lamb, Leiby & MacRae 1757 N Street, N. W. Washington, D. C. 20036

Mr. Michael Slade 1250 Crown Point Drive Webster, New York 14580

Rochester Committee for Scientific Information Robert E. Lee, Ph.D. P. O. Box 5236 River Campus Station Rochester, New York 14627

Jeffrey Cohen New York State Energy Office Swan Street Building Core 1, Second Floor Empire State Plaza Albany, New York 12223

Director, Technical Development Programs State of New York Energy Office Agency Building 2 Empire State Plaza Albany, New York 12223

Rochester Public Library 115 South Avenue Rochester, New York 14604

K M C, Inc. ATTN: Richard E. Schaffstall 1747 Pennsylvania Avenue, N. W. Suite 1050 Washington, D. C. 20006 AUG 0 1 1979

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R. E. GINNA NUCLEAR POWER STATION REQUEST FOR ADDITIONAL INFORMATION STRUCTURAL TOPICS

III-2 Wind and Tornado Loads

III-3.A

For each safety-related structure,

- 1. Describe the procedures to transform wind data into design pressure and gust factors.
- 2. Provide design basis, if any, for tornado loading including:
 - a. translational wind speed
 - b. radius of maximum rotational wind speed
 - c. procedures to transform tornado data into design
 - pressure

Effects of High Water Level on Structures

For each safety-related structure,

- 1. Describe the water loads considered in the design and the extent to which dynamic effects due to flooding were considered.
- 2. Clarify the water level for each load combination discussed in Topic III-7.B.
- 3. Explain how the ground water pressure, on the embedded part of the containment, was considered.

III-7.B Design Codes, Design Criteria and Load Combinations

For each safety-related structure (except the containment shell),

- 1. List the codes and standards (including edition date) used for design and construction of concrete and steel elements (containment internal structures, auxiliary building intermediate building, turbine building, control room, battery room, diesel generator room).
- 2. Provide the loads, load combination and acceptance criteria employed for the design.
- 3. Provide the design and/or actual material properties (fg and fi) used for steel and concrete elements. For concrete, provide the age specified and any admixtures used.
- 4. Provide a copy of design specifications used for design and a construction.
- 5. Provide representative stress level (compression, tension and shear) at the critical location of each structure (e.g., at base of containment internal structures) for each of the load combinations provided in response to (2) above. (For this question, information at the base of the containment shell is also needed.)