



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 13, 1978

Docket No. 50-244

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

Gentlemen:

We have reviewed your August 25, 1978 requests for approvals related to the pressure shielding steel diaphragm in the turbine building. We have also reviewed your letter of February 6, 1978, which provided the design criteria for this modification.

Please provide the additional information specified in the enclosure to this letter to permit us to continue our evaluation. The items listed in the enclosure have been identified previously and were discussed during telephone conversations with RG&E representatives on August 31, 1978.

Sincerely,

Dennis L. Ziemann

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

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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 14627

PRESSURE SHIELDING STEEL DIAPHRAGM

IN TURBINE BUILDING

R. E. GINNA UNIT NO. 1

DOCKET NO. 50-244

REQUEST FOR ADDITIONAL INFORMATION

1. While the method utilized to analyze the wall for seismic loadings accounts for the amplification of the ground motion through the structure to obtain the overall structural response, the flexibility of the walls is not considered. Therefore, verify that the wall diaphragms themselves have natural frequencies greater than 33 Hz, or provide an analysis which demonstrates that the walls are adequate to withstand seismic loadings considering the amplification of the ground motion through the structure due to its flexibility being amplified additionally by the vibration of the walls due to their own flexibilities.
2. The load combinations listed in Section 13.3.1 of the February 6, 1978 submittal are incomplete. Verify that these walls are adequate considering all of the appropriate loading combinations and corresponding acceptance criteria delineated in the U.S. NRC Standard Review Plan Section 3.8.4.II.
3. Summarize in detail, and include any appropriate figures, the boundaries of the structure for which the new criteria were considered applicable, and discuss why these boundaries are considered acceptable. In addition, provide the appropriate load combinations and corresponding acceptance criteria applicable to the remainder of the structure. Include a summary of the loads and the strength ratios resulting from these two sets of loading combinations for some of the most critical elements of both the new and the existing structures.
4. Provide information to assure compliance with staff positions P-8 and P-15 as described in the June 27-30, 1978 Trip Report by T. Lee dated July 20, 1978.
5. Provide a complete inventory of combustibles in the turbine building.