

July 1, 1985

Docket No. 50-244

LICENSEE: Rochester Gas and Electric Corporation

FACILITY: R. E. Ginna Nuclear Power Plant

SUBJECT: SUMMARY OF MAY 22 and MAY 23, 1985 MEETING ON MASONRY WALLS

The staff, along with its consultants, Franklin Research Center (FRC) and Professor A. Hamid of Drexel University, conducted a two-day site visit/meeting (May 22-23, 1985) with the licensee to review Ginna's masonry wall design, construction and modifications.

The staff visited the plant site and performed a walk-down of the masonry walls in the control, auxiliary and intermediate buildings to observe construction, boundary conditions, attachments, modifications and the general vicinity of the safety-related equipment. The licensee's consultants made a presentation on a non-linear analysis methodology which the licensee may decide to use for qualifying the control building walls.

The staff selected specific wall calculations for detailed review. The staff reviewed calculations including computer input/output. The staff also discussed questions which existed from earlier licensee responses. In addition, some QA/QC documentation and test results were also discussed and reviewed.

As a result of the above activities, five action items were identified (See enclosure). The licensee's responses to these action items are required to complete this action. The licensee has not made a final decision regarding tornado wind loading; however, the licensee indicated that their approach is likely to be to protect safety-related equipment from the failure of a wall. The licensee will advise the staff regarding its decision.

The staff finds that this two-day meeting/audit has been extremely helpful in understanding the plant-specific features of the masonry wall design at Ginna, and this activity will expedite the resolution of the issue.

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P PDR

Original signed by
Charles L. Miller, Project Manager
Operating Reactors Branch #5
Division of Licensing

Enclosure:
As stated

cc: See next page

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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
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ENCLOSURE

ACTION ITEMS

1. The staff will advise the licensee regarding the acceptability of the Ginna proposal to perform non-linear analysis similar to that performed for San Onofre 1.
2. The staff will request the licensee to present the applicability of non-linear methodology to Ginna in light of the following:
 - a. The Ginna walls contain heavily reinforced pilasters;
 - b. One-way action is assumed in non-linear analysis; however, Ginna walls appear to be more consistent with plate/box behavior; and
 - c. Boundary conditions at Ginna walls may be fixed.
3. Based on the review of computer input/output, the staff will request clarification on the following:
 - a. Static vs. Dynamic analysis
 - b. Assumed boundary conditions in the computer input for wall 1-1c.
 - c. Assumed wall thickness for wall 2-1c.
4. The staff will request a summary of the table in calculation 1.68.5 (p. 16) including the following specific information:
 - a. Boundary conditions
 - b. Frequency bounds (cracked/uncracked)
 - c. Applied moment (uncracked/cracked)
5. The staff will request that the licensee clarify the venting situation for the control building.



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

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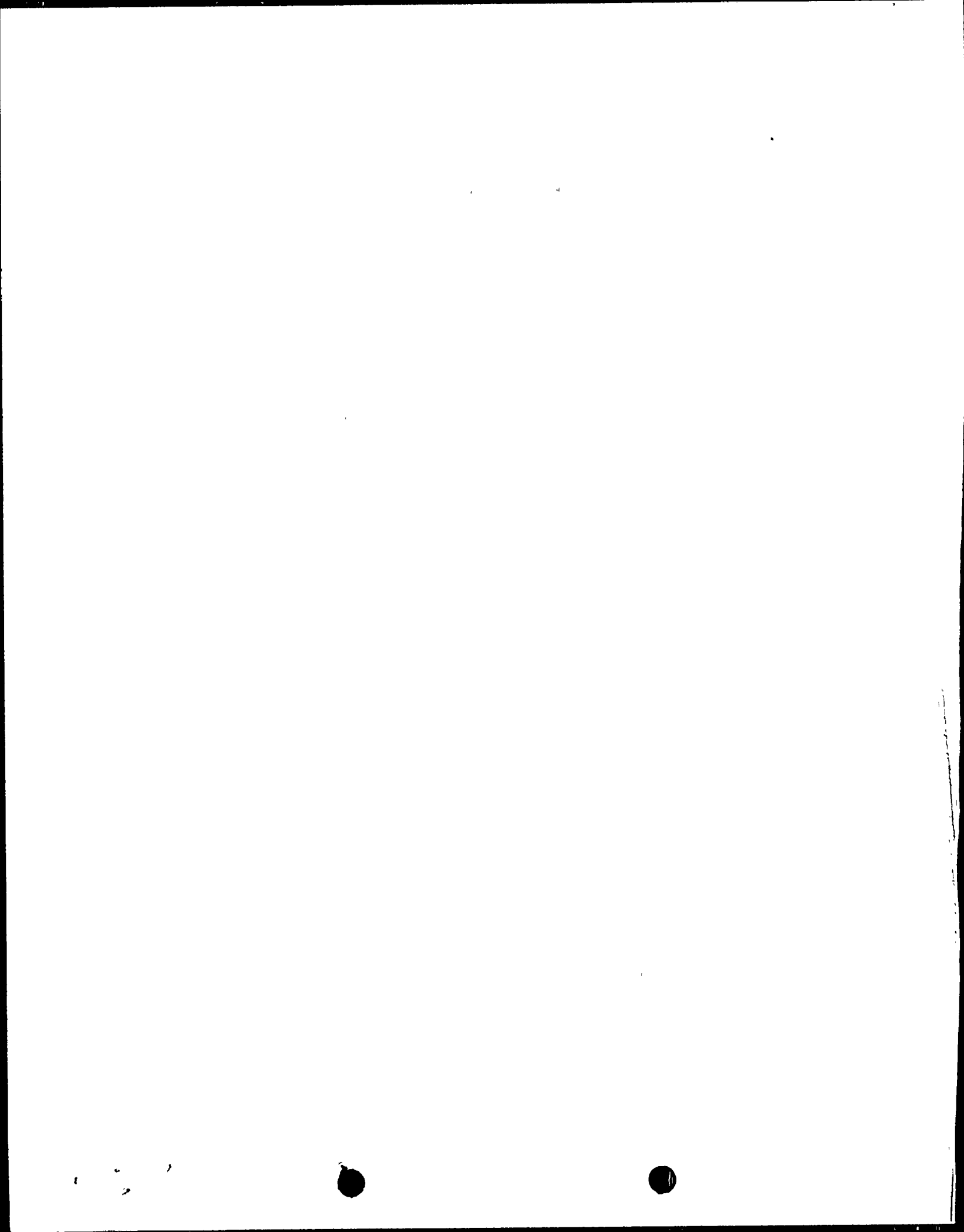
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Enclosure:
As stated

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