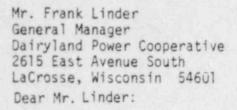
June 17, 1981

Docket No. 50-409 LS05-81-06-086



SUBJECT: SYSTEMATIC EVALUATION PROGRAM TOPICS, III-2, WIND AND TORNADC LOADINGS, III-7.B., DESIGN CODES, DESIGN CRITERIA, LOAD COMBINATIONS AND REACTOR CAVITY DESIGN AND III-6, SEISMIC DESIGN CONSIDERATIONS - LACROSSE

We are continuing our review of the above topics and require the additional information described in the enclosures. The information will be used to review the capability of your plant to resist seismic loads in combination with other loads and to resist tornado wind and pressure loads. It will also allow us to identify structural elements affected by code changes.

The information is required by NRC contractors who are performing analysis on the above subjects. In order for the contractors to maintain their schedules, please provide a copy of your responses directly to the contractors as indicated below and one copy to the NRC...

You are requested to submit the additional information described in the enclosure within 30 days of your receipt of this letter. Please refer to the topic numbers in your response.

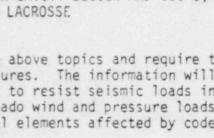
Mail the responses to Enclosure 1 to:

Ting Lo Lawrence Livermore Laboratory Mail Station L-90 P. O. Box 808 Livermore, California 94550

Mail the responses to Enclosure 2 to:

Franklin Research Center Division of the Franklin Institute Benjamin Franklin Parkway Philadelphia, Pa. 19103

Y	8106240185	ATTENTION: D. Barrett T. Stilwell	
OFFICE			
RNAME			



NRC FORM 318 HO BOI NRCM 0240

DATE

OFFICIAL RECORD COPY

USGPC 1980-329-824

-2-

Mail one copy of all responses to:

U. S. Nuclear Regulatory Commission Washington, D.C. 20555

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Sincerely,

Dennis M. Crutchfield, Chief Operating Reactors Branch No. 5 Division of Licensing

Enclosures: As scated

cc w/enclosures: See next page

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UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555 June 17, 1981

Docket No. 50-409 LS05-81-06-066

> Mr. Frank Linder General Manager Dairyland Power Cooperative 2615 East Avenue South LaCrosse, Wisconsin 54601

Dear Mr. Linder:

SUBJECT: SYSTEMATIC EVALUATION PROGRAM TOPICS, III-2, WIND AND TORNADO LOADINGS, III-7.B, DESIGN CODES, DESIGN CRITERIA, LOAD COMBINATIONS AND REACTOR CAVITY DESIGN AND III-6, SEISMIC DESIGN CONSIDERATIONS - LACROSSE

We are continuing our review of the above topics and require the additional information described in the enclosures. The information will be used to review the capability of your plant to resist seismic loads in combination with other loads and to resist tornado wind and pressure loads. It will also allow us to identify structural elements affected by code changes.

The information is required by NRC contractors who are performing analyses or the above subjects. In order for the contractors to maintain their schedules, please provide a copy of your responses directly to the contractors as indicated below and one copy to the NRC.

You are requested to submit the additional information described in the enclosure within 30 days of your receipt of this letter. Please refer to the topic numbers in your response.

Mail the responses to Enclosure 1 to:

Ting Lo Lawrence Livermore Laboratory Mail Station L-90 P. O. Box 808 Livermore, California 94550

Mail the responses to Enclosure 2 to:

Franklin Research Center Division of the Franklin Institute Benjamin Franklin Parkway Philadelphia, Pa. 19103

ATTENTION: D. Barrett T. Stilwell Mail one copy of all responses to:

.....

U. S. Nuclear Regulatory Commission Washington, D.C. 20555

Sincerely,

Dennis M. Crutchfie¹, Chief Operating Reactors Branch No. 5 Division of Licensing

12

Enclosures: As stated

cc w/enclosures: See next page

Mr. Frank Linder

cc

Fritz Schubert, Esquire Staff Attorney Dairyland Power Cooperative 2615 East Avenue South La Crosse, Wisconsin 54601

O. S. Heistand, Jr., Esquire Morgan, Lewis & Bockius 1800 M Street, N. W. Washington, D. C. 20036

Mr. R. E. Shimshak La Crosse Boiling Water Reactor Dairyland Power Cooperative P. O. Box 135 Genoa, Wisconsin 54632

Ms. Anne K. Morse Coulee Region Energy Coalition P. O. Box 1583 La Crosse, Wisconsin 54601

La Crosse Public Library 800 Main Street La Crosse, Wisconsin 54601

U. S. Nuclear Regulatory Commission Resident Inspectors Office Rural Route #1, Box 225 Genoa, Wisconsin 54632

Town Chairman Town of Genoa Route 1 Genoa, Wisconsin 54532

Chairman, Public Service Commission of Wisconsin Hill Farms State Office Building Madison, Wisconsin 53702

Alan S. Rosenthal, Esq., Chairman Atomic Safety and Licensing Appeal Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Mr. Frederick Milton Olsen, III 609 North 11th Street LaCrosse, Wisconsin Director, Standards and Criteria Division Office of Radiation Programs (ANR-460)

U. S. Environmental Protection Agency Washington, D. C. 20460

U. S. Environmental Protection Agency Federal Activities Branch Region V Office ATTN: EIS COORDINATOR 230 South Dearborn Street Chicago, Illinois 60604

Charles Bechhoefer, Esq., Chairman Atomic Safety and Licensing Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dr. George C. Anderson Department of Oceanography University of Washington Seattle, Washington 98195

Mr. Ralph S. Decker Route 4, Box 190D Cambridge, Maryland 21613

Dr. Lawrence R. Quarles Kendal at Longwood, Apt. 51 Kenneth Square, Perinsylvania 19348

Thomas S. Moore Atomic Safety and Licensing Appeal Bo U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Mr. John H. Buck Atomic Safety and Licensing Appeal Bc U. S. Nuclear Regulatory Commission Washington, D. C. 20555

U. S. Nuclear Regulatory Commission Resident Inspectors Office Rural Route #1, Box 225 Genoa, Wisconsin 54632

ENCLOSURE 1

Containment (Reactor Building) Structure

- Drawing index including titles (or descriptions) and corresponding drawing numbers.
- Layout and structural drawings with sufficient structural information on the containment and its support and of the internal structures so that a dynamic analysis model can be constructed. Detailed drawings should also be included for rebar, liner, liner anchors, columns, bracing, areas of discontinuity (excluding penetrations) such as dome-wall or dome-ring girder-wall, and wall base slab.
- 3. Detailed structural drawings of footings, basemats and piles (if applicable).
- 4. Equipment location (arrangement) drawings, center of gravity, and mass information (including mass moment of inertia) for major heavy equipment such as reactor vessel, steam generator, tanks, cranes, condensers, steam drums, etc. If the reactor coolant loop was coupled with the structure in the analysis, provide the simplified reactor coolant loop model (e.g., computer input listing and input descriptions) if available; otherwise, supply mass and mass location information.
- Operating and design temperature conditions inside and outside of containment for summer and winter.
- If the seismic reanalysis of the containment structure has been performed, provide the model (mass properties, member stiffnesses, soil stiffnesses if applicable, etc.) used and the results.

ENCLOSURE 2

The following information is required for the load combination Topic III-7.B and Wind and Tornado Loadings, Topic III-2

Containment (Reactor Building) Structure

- Drawing index including titles (or descriptions) and corresponding drawing numbers.
- Layout and structural drawings with structural information on the containment and its support. Detailed drawings should also be included for rebar, liner, liner anchors, columns, bracing, areas of discontinuity (excluding penetrations) such as dome-wall or dome-ring girder-wall, and wall-base slab.
- Detailed structural drawings of footings, basemats and piles (if applicable).

All Other Safety-Related Structures

- Structural drawings with sufficient detail to determine the structural elements and structural systems employed in the design of your plant including those relied on to resist tornado loads (horizontal wind and pressure differential).
- 2. Equipment location drawings and mass information for heavy equipment.