

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 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

ATTENTION: D. Barrett  
T. Stilwell

8106240185

OFFICE						
SURNAME						
DATE						

Mail one copy of all responses to:

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

Sincerely,

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

Enclosures:  
As stated

cc w/enclosures:  
See next page

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6/15/81

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6/18/81

OFFICE	SEPB:DL <i>DP</i>	SEPB:DL <i>✓</i>	SEPB:DL <i>KB</i>	ORB#5:DL:PM	ORB#5:DL <i>gmc</i>	AD:SA:DL	
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
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LOADINGS, III-7.B, DESIGN CODES, DESIGN CRITERIA, LOAD  
COMBINATIONS AND REACTOR CAVITY DESIGN AND III-6, SEISMIC  
DESIGN CONSIDERATIONS - LACROSSE

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Washington, D.C. 20555

Sincerely,

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

Enclosures:  
As stated

cc w/enclosures:  
See next page

Mr. Frank Linder

CC

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Resident Inspectors Office  
Rural Route #1, Box 225  
Genoa, Wisconsin 54632

Town Chairman  
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Genoa, Wisconsin 54632

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

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(ANR-460)  
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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

1. Drawing index including titles (or descriptions) and corresponding drawing numbers.
2. 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.
5. Operating and design temperature conditions inside and outside of containment for summer and winter.
6. 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

1. Drawing index including titles (or descriptions) and corresponding drawing numbers.
2. 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.
3. Detailed structural drawings of footings, basemats and piles (if applicable).

### All Other Safety-Related Structures

1. 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.