

July 16, 1980

In reply, please
refer to LAC-7027

DOCKET NO. 50-409

Mr. James G. Keppler, Director
U. S. Nuclear Regulatory Commission
Directorate of Regulatory Operations
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

SUBJECT: DAIRYLAND POWER COOPERATIVE
LA CROSSE BOILING WATER REACTOR (LACBWR)
PROVISIONAL OPERATING LICENSE NO. DPR-45
IE BULLETIN NO. 80-11 - MASONRY WALL DESIGN

REFERENCES: (1) NRC Letter, Keppler to Linder,
dated May 8, 1980.
(2) DPC Letter, Madgett to Giambusso, LAC-2788,
dated October 9, 1978.
(3) NRC Letter, Reid to Madgett,
dated August 12, 1976.

Dear Mr. Keppler:

A plant survey has been conducted at LACBWR to identify all masonry walls which are in proximity to or have attachments from safety-related piping or equipment. LACBWR has no masonry walls in the Containment Building. The following masonry walls in the Turbine Building were identified as required by Item 1. of Reference (1):

1. The 1A Diesel Generator Room is partially enclosed by a masonry wall. The 1A Diesel Day Tank inside the 1A Diesel Room is attached to a masonry wall and the 1A Diesel is in proximity to the masonry walls (approximately three feet).
2. The 1B Diesel Generator Building is partially constructed of masonry walls. The 1B Diesel Generator, the 1B Diesel Day Tank, the 1B Essential Bus Switchgear, and the Diesel Building battery bank are in proximity to the masonry walls (approximately four feet).

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3. A run of High Pressure Service Water piping approximately 30 feet long, which is also part of the Alternate Core Spray System, is located on the Grade Floor of the Turbine Building in proximity to the masonry wall at the west end of the Turbine Building.
4. A masonry wall approximately 14 feet tall stands between the Control Room and the Turbine Building. This wall is 11 feet 9 inches from one section of control panels.

There are no other masonry walls in proximity to or attached to safety related piping or equipment at LACBWR.

No Safe Shutdown Earthquake for the site has yet been established by the NRC for LACBWR. A project to determine the Site Specific Response Spectrum under the Systematic Evaluation Program is presently in progress. No seismic design criteria existed at the time the plant was built. The 1E Diesel Generator Building, which was added in 1976, is designed to withstand a .12 g seismic event. It has been evaluated that LACBWR's Safe Shutdown Earthquake would result in a maximum horizontal ground acceleration of less than .12 g, as stated in Section 1.1 of LACBWR's Full-Term License Application forwarded by Reference (2).

The Safety Evaluation by the Office of Nuclear Reactor Regulation supporting Amendment No. 6 to the Provisional Operating License (Reference (3), Section 4.1) concluded that the main plant is designed to withstand a safe shutdown earthquake (SSE) which is based on a horizontal ground acceleration of 12 percent of gravity.

Due to the fact that seismic and other loads such as missiles, pipe whip, pipe break, jet impingement, tornado, and fire are under review or have been reviewed as part of the Systematic Evaluation Program, LACBWR believes that any re-evaluation or testing of the small number of masonry walls which may be of concern must be done as part of the overall review of the plant and integrated into whatever requirements emerge from the SEP reviews. Therefore, no separate re-evaluation or testing of masonry walls is planned at this time.

Authorization for this response to be submitted beyond the 60-day reporting period was granted to Mr. F. Duchesneau, Technical Support Engineer, by Mr. K. Baker on July 8, 1980.

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If there are any questions concerning this submittal, please
contact us.

Very truly yours,

DAIRYLAND POWER COOPERATIVE

Frank Linder, General Manager

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CC: U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555

STATE OF WISCONSIN)
)
COUNTY OF LA CROSSE)

Personally came before me this 16th day of July, 1980, the
above named Frank Linder, to me known to be the person who executed
the foregoing instrument and acknowledged the same.

Notary Public, La Crosse County,
Wisconsin.

My Commission Expires 2/26/84.