

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION



In the Matter of

DAIRYLAND POWER COOPERATIVE

(La Crosse Boiling Water
Reactor)

Docket No. 50-409

(Liquefaction)

(Show Cause)

AFFIDAVIT OF
JOHN D. PARKYN

State of Wisconsin: County of Vernon

John D. Parkyn, being first duly sworn, on oath says
as follows:

1. My name is John D. Parkyn. I am employed by Dairyland Power Cooperative as the Assistant Superintendent of the La Crosse Boiling Water Reactor. A statement of my professional qualifications and experience is attached hereto.

2. The only safety-related structures at the LACBWR site which are not supported by piles are the crib house and the associated underground piping which provide one of the sources of emergency core cooling water to the reactor containment building.

3. Dairyland has agreed to design and install a redundant dedicated safe shutdown system to be housed inside the turbine building which will provide additional emergency cooling water in the event of an earthquake. This dedicated safe shutdown

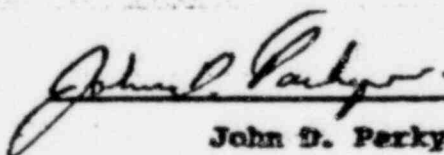
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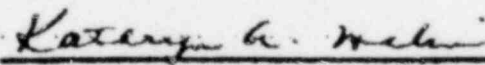
system will eliminate the need to rely on the crib house and associated underground piping and will mitigate the effects of liquefaction elsewhere on the LACBWR site in the event of an earthquake with a peak ground acceleration of 0.12g. Dairyland has already injected concrete grouting into several low depth voids which were discovered beneath the concrete floor slab in the turbine building.

4. These additional measures which Dairyland is undertaking will provide adequate assurance that the effects of liquefaction in the free field at the LACBWR site will be adequately mitigated in the event of the occurrence of an earthquake with a peak ground acceleration of 0.12g and that the design and installation of a dewatering system for the LACBWR site is unnecessary to protect the public health and safety.

5. I have read the foregoing affidavit and swear that it is true and correct to the best of my knowledge and belief.


John D. Perkyn

Subscribed and sworn to before me this 14th day of November, 1980.


Kathryn A. Melin
Notary Public

My Commission expires: 10-31-82

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CERTIFICATE OF SERVICE

Service has on this day been effected by
personal delivery or first class mail on the following
persons:

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

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

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

Docketing & Service Section
Office of the Secretary
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

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

Steven Burns, Esquire
Office of Executive Legal Director
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Karen Cyr, Esquire
Office of Executive Legal Director
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Richard Shimshak
Plant Superintendent
Dairyland Power Cooperative
La Crosse Boiling Water Reactor
Genoa, Wisconsin 54632

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

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

Mr. Harold Denton, Director
Office of Nuclear Reactor
Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Frederick M. Olsen, III
609 N. 11th Street
La Crosse, Wisconsin 54601


for O. S. Hiestand

Dated: November 14, 1980