

SEP 8 1982

Docket Nos. 50-416/417

Mr. J. P. McGaughy  
Assistant Vice President  
Nuclear Production  
Mississippi Power & Light Company  
P. O. Box 1640  
Jackson, Mississippi 39205

Dear Mr. McGaughy:

Subject: Request for Additional Information - HPCS Service Water Pump

Following the review of your letter dated July 26, 1982, we have the following additional concerns in regard to your HPCS Service Water Pump:

1. The fundamental frequency of the pump assembly is extremely low (~1Hz); that makes the pump assembly exceedingly flexible. There are natural frequencies of the pump assembly that are close to the operating speed. It is conceivable that during some operating condition, the flow through the pump may induce vibration that's not considered in the present model, and amplify the effect due to resonance with the natural frequency close to the operating speed.
2. The maximum deflection at bottom of the pump is calculated to be 16.2" by INEL. Since the shaft is still rotating inside the casing, the operability of the pump under the condition when shaft is rotating and end point is deflected by 16.2" simultaneously can not be adequately addressed by the present model.

To resolve these concerns, we would propose that you do one of the following:

- (1) Perform a test to prove operability during an earthquake. This may be accomplished by applying a static bending at the bottom of the pump to simulate seismic deflection and rotating the shaft at operating condition simultaneously.
- (2) Design and install lateral restraints to the casing at a location close to the bottom of the pump. This will effectively reduce the end deflection of the pump during earthquake, and at the same time increase the stiffness of the pump.

OFFICE

SURNAME

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PDR ADOCK 05000416  
PDR

OFFICIAL RECORD COPY

USGPO: 1981-335-960

The details and schedule for your selected option should be provided no later than September 15, 1982, if we are to maintain our licensing schedule. If you have any questions about this request, please contact M. Dean Houston, Project Manager (301-492-7564).

Sincerely,



A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing

cc: See next page

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OFFICE	LB#2:DL	LB#2:DL					
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DATE	9/8/82	9/8/82					

Grand Gulf

Mr. J. P. McGaughy  
Assistant Vice President  
Nuclear Production  
Mississippi Power & Light Company -  
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Jackson, Mississippi 39205

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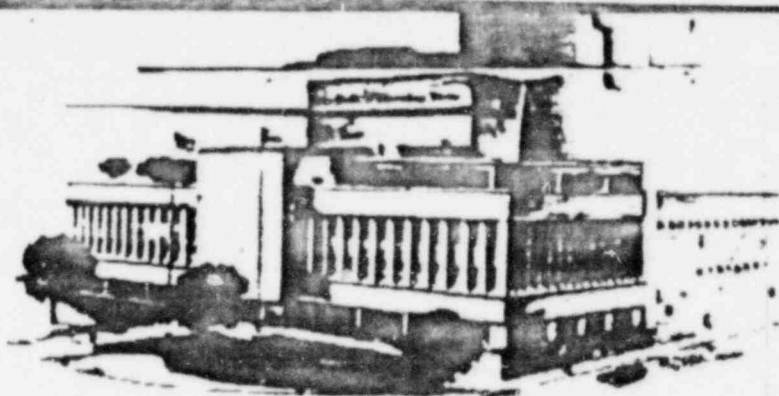
Mr. John Richardson  
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Attn: William J. Guste, Jr.  
Department of Justice, Suite C  
7434 Parkins Road  
Baton Rouge, Louisiana 70808

# The Dallas Morning News



Bill Lodge  
c/o The Dallas Morning News  
Communications Center  
Dallas, Texas 75265

April 8, 1982

Clyde Wisner  
Office of Public Affairs, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76012

FREEDOM OF INFORMATION  
ACT REQUEST

FOIA-82-193  
Rec'd 4-14-82

Dear Mr. Wisner,

Under the terms of the Freedom of Information Act, I am requesting copies of all draft inspection and investigation reports provided by the U.S. Nuclear Regulatory Commission to Hayward Tyler Pump Co. I also need copies of the transmittal letter for those reports as it was written before being altered by Karl Seyfrit, deputy regional administrator for NRC Region IV. Also, please provide a copy of the letter as written before its alteration.

Additionally, I am requesting all copies of inner-office letters, memorandums, notes, etc., both in Arlington and Washington, which refer directly or indirectly to the Hayward Tyler Pump Co., its products, employees, officials, attorneys, consultants or any other persons or entities associated with the firm. And I want copies of all letters, memorandums, notes or other correspondence between officials or employees of the NRC and any of the above-mentioned people, companies or other entities. Include logs of all phone conversations between any or all of the above.

Please provide copies of all complaints submitted to the NRC against Hayward Tyler Pump Co.

Also requested are copies of all letters, memorandums, notes or other correspondence or records referring to Marcus Rowden since June 1977. Include all correspondence to or from Rowden or his employees and logs of telephone conversations with him or his employees.

Please identify all persons present at a meeting on or about Feb. 12, 1982, at the Arlington, Texas, office in which the draft inspection and investigation reports were provided to Hayward Tyler Pump Co. representatives.

Please provide copies of I&E Reports 81-12 and 81-20 for Comanche Peak.

8244011935 Bill Lodge