

DMB 50.55(e)
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Gibbs & Hill, Inc.

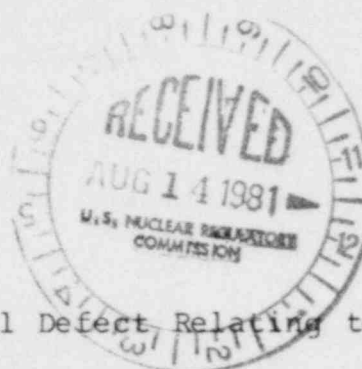
ENGINEERS DESIGNERS CONSTRUCTORS

DIRECT DIAL EXTENSION

(212) 760-

July 31, 1981

Mr. Karl V. Seyfrit
Director-Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Dr.
Suite 1000
Arlington, Texas 76011



Dear Mr. Seyfrit:

Subject: Notification of a Potential Defect Relating to the
Rules of 10CFR21

This will confirm my telephone call to your office with Mr. Cliff Hale on Thursday, July 30, 1981 at approximately 4:15 p.m., in which I notified you of a potential defect relating to the rules of 10CFR21 with regard to the Tornado Venting System for Comanche Peak, Units No. 1 and No. 2 as identified by one of our employees. We have performed an initial review of the bases for the employee's concerns from which we believe that these concerns will not compromise the plants ability to withstand the effects of a tornado. Nevertheless, because available design documentation does not presently address all of the concerns that have been raised and because we have not been able to document the bases for our engineering judgement within the time constraints of the 10CFR21 regulations, we have notified you of this potential defect.

The description of the potential defect is presented in the attached documents. We intend to complete our inhouse assessment by September 10, 1981 at which time we will notify you of the results and the bases for our judgement as to the safety implications.

This matter arose out of our work on the Comanche Peak Project, and we have informed the appropriate official of the licensee.

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Mr. Karl V. Seyfrit

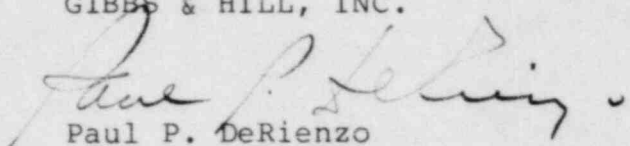
July 31, 1981

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As it also has possible implications to the Ft. Calhoun Unit #1 that we designed, we have similarly advised that licensee of this notification.

Sincerely,

GIBBS & HILL, INC.



Paul P. DeRienzo
Vice President
Consulting Engineering
and Quality Assurance

PPD:paf

cc: B. R. Clements (TUGCO)
R. Andrews (CPPD)

Date: 7/30/81

APPENDIX V

REPORT OF A POTENTIAL DEFECT UNDER
10 CFR PART 21

Evaluation Number: 81-01

Date: 7/30/81

To: Director, NRC Region IV
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

From: Vice President, Consulting Engineering and QA
Gibbs & Hill, Inc.
Dravo Utility Constructors, Inc.
393 7th Avenue
New York, N.Y. 10001

Facility Name and Location:

1. Comanche Peak SES Units 1&2 - Glen Rose, Texas
2. Ft. Calhoun Unit No. 1 - Omaha, Nebraska

Licensees 1. Texas Utilities Generating Co. (TUGCO)
2. Omaha Public Power District Co. (OPPD)

Docket Number: 1. 50-445 and 50-446 Date: 1. 7/20/73
2. 50-285 2. 4/18/67

License Type: 1. Construction Permit Date: 1. 12/19/74
(CPPR126 & 127)
2. Operation Permit 2. 5/23/73
(DPR 40)

Constructor: (If Applicable) Not Applicable

Construction Subcontractor: (If Applicable) Not Applicable

Component Vendor: (If Applicable) Not Applicable

Component Subvendor: (If Applicable) Not Applicable

G&H Design: (If Applicable) Tornado Venting System

Date: 7/30/81

Description of Potential Defect

During a tornado event, the building housing safety related equipment will be depressurized by 1.5 psi for a few seconds and then repressurized back to normal ambient conditions. There is some concern that the cycle will cause damage to safety related equipment and will prevent the plant from being shutdown and maintained in a safe shutdown condition.

Date information obtained: July 28, 1981 - 4:45 p.m.

Description of Potential Safety Hazard

In the event of a major tornado, no structure failure will occur; however, there is concern that the capability to shut the plant down and maintain it in a safe shutdown condition might be impaired. The impairment is assumed to occur because of electronic equipment cabinet depressurization, internally generated missiles, and from externally generated missiles entering the control room.

Defective Basic Component Safeguards, Auxiliary Buildings including control room.

Number:

-In use:

At:

-Supplied for Use:

At:

-On Order:

For:

Other Facilities:

Date: 7/30/81

Corrective Action By: (See Note Below)

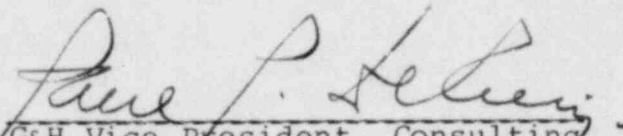
Organization - Gibbs & Hill, Inc.

Individual - Chief Mechanical Engineer

Corrective Action Dates: Final assessment of the potential defect will be made by 9/10/81.

Advice to Licensee:

B. R. Clements, TUGCO; Vice President-Operation and R. Andrews, OPPD; Section Manager-Operation were notified by phone at approximately 4:30 p.m. on 7/30/81.


G&H Vice President, Consulting
Engineering and QA (Designated
Responsible Officer)

7/31/81
Date

Note: This report confirms the verbal notification made by P. P. DeRienzo of G&H to Cliff Hale of NRC Region IV at 4:15 p.m. of 7/30/81.