

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)	
	)	
TEXAS UTILITIES GENERATING	)	Docket Nos. 50-445
COMPANY, <u>et al.</u>	)	50-446
	)	
(Comanche Peak Steam Electric	)	
Station, Units 1 and 2	)	

AFFIDAVIT OF JOHN T. MERRITT, JR.  
REGARDING STRUCTURAL INTEGRITY TEST

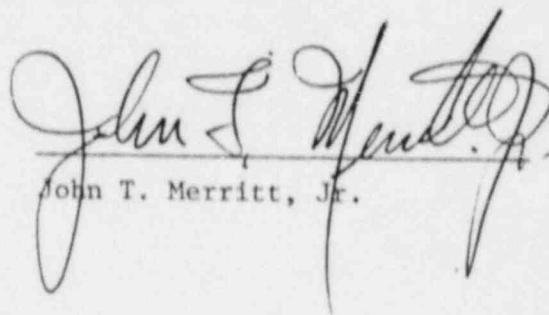
I, John T. Merritt, Jr., being duly sworn, do depose and state:

I am employed by Texas Utilities Generating Company in the position of Startup Manager. As such I am responsible for all prerequisite and preoperational testing at Comanche Peak, including the Containment Structural Integrity Test. My educational and professional qualifications are included in the record as Applicants' Exhibit 17. The purpose of this affidavit is to provide supplementary information on the issue of structural integrity of the Unit 1 Containment.

I&E Report 79-11 (Applicants' Exhibit 44C) discusses the placement of a small amount of concrete on the Unit 1 dome in January 1979 without appropriate QA involvement. An engineering analysis of the concrete placement concluded that it was satisfactory. Nevertheless, when the Notice of Violation concerning this matter was closed out in I&E Report 79-24/23 (Applicants' Exhibit 44D), the technical resolution was left open to await verification of the structural integrity of the containment to be performed pursuant to 10 CFR Part 50, Appendix J.

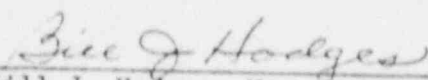
This will advise the Board that the Structural Integrity Test was completed successfully on January 26, 1983. This test consisted of pressurizing with air the three million cubic feet volume inside the containment to 57.5 psig. Deflection measurements of the structure were recorded at atmospheric pressure and at approximately five equal increments during pressurization and depressurization. Post test inspection verified deflection recovery was achieved within the allotted time frame as allowed by the applicable code (ASME B&PV Code, Section III, Division 2, 1980 edition, Summer 1980 Addenda, paragraph CC-6000).

The completion of this test demonstrates the structural integrity of the entire Unit 1 containment, including the specific area of the Unit 1 dome in question. This test provides further assurance of the quality of construction of the Comanche Peak structures important to safety.

  
John T. Merritt, Jr.

THE STATE OF TEXAS       )  
                                  :  
COUNTY OF SOMERVELL    )

Sworn to and subscribed before me at Glen Rose, Texas, this 23 day of February, 1983.

  
Bill J. Hodges, Notary Public in Somervell  
County, Texas  
My commission expires March 28, 1984.

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

DOCKETED  
NRC

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

'83 FEB 28 P1:07

In the Matter of )  
 ) Docket Nos. 50-445 and  
TEXAS UTILITIES GENERATING ) 50-446  
COMPANY, et al. )  
 ) (Application for  
(Comanche Peak Steam Electric ) Operating Licenses)  
Station, Units 1 and 2) )

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing "Applicants' Motion for Admission of Affidavit Regarding Structural Integrity Tests" in the above-captioned matter, were served upon the following persons by hand delivery (\*), express delivery (\*\*) or by deposit in the United States mail first-class postage prepaid, this 25th day of February, 1983:

\*Marshall E. Miller, Esq.  
Chairman, Atomic Safety and  
Licensing Board  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Chairman, Atomic Safety and  
Licensing Board Panel  
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\*Dr. Kenneth A. McCollom  
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\*Dr. Richard Cole, Member  
Atomic Safety and Licensing  
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Washington, D.C. 20555

Marjorie Ulman Rothschild, Esq.  
Office of the Executive  
Legal Director  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

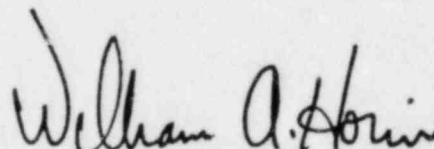
Chairman, Atomic Safety and  
Licensing Appeal Panel  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Mr. John Collins  
Regional Administrator,  
Region IV  
U.S. Nuclear Regulatory  
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Washington, D.C. 20555

Mrs. Juanita Ellis  
President, CASE  
1426 South Polk Street  
Dallas, Texas 75224

A handwritten signature in cursive script, reading "William A. Horin". The signature is written in dark ink and is positioned above a horizontal line.

William A. Horin

cc: Homer C. Schmidt  
Spencer C. Relyea, Esq.