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February 8, 1984

Peter B. Bloch, Esq.  
Chairman, Atomic Safety  
and Licensing Board  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Dr. Kenneth A. McCollom  
Administrative Judge  
Dean, Division of Engineering,  
Architecture and Technology  
Oklahoma State University  
Stillwater, Oklahoma 74078

Dr. Walter H. Jordan  
Administrative Judge  
881 W. Outer Drive  
Oak Ridge, Tennessee 37830

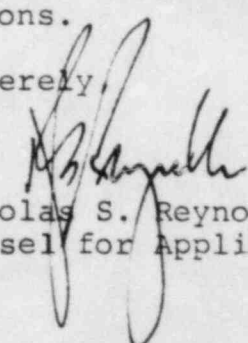
Re: Texas Utilities Generating Company, et al.  
(Comanche Peak Steam Electric Station,  
Units 1 and 2) Docket Nos. 50-445 and 50-446

Gentlemen:

Transmitted herewith are the materials to be introduced  
at the evidentiary hearing sessions scheduled to commence  
on February 20, 1984. Attached are the following:

- (1) Statements of Educational and Professional  
Qualifications of John E. Ward and Nancy  
Williams (witnesses on Cygna Report);
- (2) Testimony of Applicants' panel regarding  
welding; and
- (3) Testimony of Applicants' panel regarding  
ASME and AWS Code provisions.

Sincerely,

  
Nicholas S. Reynolds  
Counsel for Applicants

Attachments

cc: Service List

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PDR ADOCK 05000445  
G PDR

D503

JOHN E. WARD

STATEMENT OF EDUCATIONAL  
AND PROFESSIONAL QUALIFICATIONS

CURRENT POSITION: Vice President and Manager of Executive Consulting,  
Management Analysis Company

FORMAL EDUCATION: Bachelor Science, Marine Engineering  
U. S. Naval Academy, 1952

Master Science, Nuclear Physics  
U. S. Naval Postgraduate School, 1959

U. S. Naval Nuclear Power School, 1965

Project Management Wharton School, 1978

EXPERIENCE:

1983 - Present Management Analysis Company, Vice President - Supervise  
computing services to clients in the area of business  
strategies, business management and human resource  
utilization and effectiveness.

1981 - 1983 Cygna Energy Services, Inc. - Chairman, Chief Executive  
Officer and President - Exercised management control of  
this broad-based engineering consulting firm providing  
services to electrical utilities in connection with  
nuclear plant engineering, analysis and construction.

1968 - 1981 Sargent & Lundy, Inc. - Vice President, Associate Safety  
and Licensing - Division Manager and Nuclear Project  
Engineer - Served as nuclear project engineer on two major  
projects. Managed regulatory services and nuclear analytic  
capability. Coordinated all business development activity.

1967 - 1968 R. W. Beck and Associates - Principal Nuclear Engineer -  
Coordinated and performed nuclear plant feasibility  
assessments, reviewed nuclear plant performance, performed  
nuclear plant siting studies.

1966 - 1967 Commonwealth Edison Company - Nuclear Project Engineer -  
Performed design review and contract management for a major  
nuclear plant project.

1952 - 1966 U. S. Navy - Commander USN - Various duties including  
engineering officer, operations officer, executive and  
commanding officer on six vessels. Coordinated all naval  
surface missile operational test and evaluations on the  
Pacific Coast.

PROFESSIONAL  
AFFILIATIONS:

Member - American Nuclear Society  
- American Society of Mechanical Engineers  
- Atomic Industrial Forum  
Past Chairman, AIF Committee on Reactor Licensing and Safety  
Member Executive Committee, ANS Power Division  
Member Standards Steering Committee, ANS  
  
Registered Professional Nuclear Engineer - California  
Registered Professional Mechanical Engineer - California

NANCY H. WILLIAMS

STATEMENT OF EDUCATION  
AND PROFESSIONAL QUALIFICATIONS

CURRENT POSITION: Project Manager, Cygna Energy Services

FORMAL EDUCATION: B.S., Civil Engineering, Carnegie-Mellon University,  
Pittsburgh, PA, 1977  
Boiling Water Reactor Course, General Electric BWR Training  
Center, 1981  
Finite Element Methods and Application, Ohio State  
University, Columbus, OH, 1980  
Management Courses, Harvard University, Extension Program,  
Cambridge, MA, 1982

EXPERIENCE:

1982 - Present

CYGNA ENERGY SERVICES; Project Manager.  
Responsible for the planning, coordination, and  
implementation of all project phases from conceptual  
engineering to documentation of analysis, modifications, or  
recommendations.

1979 - 1982

BOSTON EDISON CO.; Project Manager, Project Engineer, Lead  
Engineer.  
Project Manager of Pilgrim Station's Equipment  
Qualification, IE Bulletin 79-14, and IE Bulletin 79-02  
projects. Project Engineer for several commercial design  
and construction projects, and lead engineer in the nuclear  
civil/structural group.

1978

STONE & WEBSTER ENGINEERING CORP.; Associate Engineer.  
Designed pipe supports, and resolved interferences between  
plant layout, piping layout and support design on Millstone  
Unit 3.

1977

GENERAL DYNAMICS, ELECTRIC BOAT DIV.; Structural Engineer.  
Responsible for the construction of various tanks and  
foundations in the reaction compartment and engine room of  
the Trident Class Submarines. Provided direction for the  
trades and engineering resolutions for construction  
problems. Worked on the development of a construction  
planning program for the reactor compartment of the 688  
Class Submarines.

PROFESSIONAL  
AFFILIATIONS:

Member, Project Management Institute

PUBLICATIONS:

"Operational Analysis: An Approach to Safety and  
Planning," International Meeting on Thermal Nuclear Reactor  
Safety, ANS/ENS, August 29 - September 2, 1982

