

A-79  
50-348/364 - CIVP  
2/21/92

APCo Exhibit 74

PHILIP A. DIBENEDETTO

DOCKETED  
USNRC

PRESIDENT: DBA, Inc.

92-MAR-13-P4-55

EDUCATION:

Bachelor of Science - Nuclear Engineering  
Lowell Technological Institute - 1973  
Lowell, Massachusetts 01854

OFFICE OF SECRETARY  
DOCKETING & SERVICE  
BRANCH

Massachusetts Institute of Technology - Reactor Safety Course - 1974  
U.S. Navy Nuclear Power Training - 1965 - 1966  
U.S. Navy Submarine Nuclear Power and Propulsion System  
Qualification - 1966

PROFESSIONAL EXPERIENCE:

DBA, Inc., North Andover, Massachusetts  
NUTECH Engineers, Bethesda, Maryland, 1981 - 1983  
U.S. Nuclear Regulatory Commission, Washington, D.C.,  
1974 - 1981  
General Electric Company, Knolls Atomic Power Laboratory,  
Schenectady, New York, 1973 - 1974

EXPERIENCE SUMMARY:

Prior to forming DBA, Inc., Mr. DiBenedetto served as Director of Engineering and Manager of the Equipment Qualification (EQ) Group of the Bethesda Regional Office of NUTECH Engineers. As such, he was responsible for managing all engineering and project activities for the office. He has a broad background in systems for both PWR's and BWR's and has provided technical consulting services to several utilities (domestic and international) on licensing and mechanical and electrical EQ program development. As President and Chief Engineer for DBA, Inc. Mr. DiBenedetto prepares budget and manpower estimates, monitors Task Progress, establishes critical milestones, provides technical oversight on projects, and is ultimately responsible for meeting client needs and quality.

DETAILED EXPERIENCE:

DBA, Inc., - Since the formation of DBA, Inc., Mr. DiBenedetto has been providing equipment qualification consulting services to utilities.

Technical responsibilities have included utility specific EQ training program development and presentation, preparation of technical reports, and expert testimony for utility/NRC hearings and utility prudence hearings relating to rate increases, utility representation at USNRC meetings, preparation of Equipment Qualification Program

9204080308 920221  
PDR ADOCK 05003348  
G PDR



NUCLEAR REGULATORY COMMISSION

50-348/344-CIV

Official Exh. No.

79

State of

Alabama Power Company

IDENTIFIED

11:40 a.m. 2/21/92

RECEIVED

11:40 a.m. 2/21/92

REJECTED

Applicant

✓

DATE

2/21/92

WITNESS

L. Estep

descriptions, and assistance in the implementation of Equipment Qualification Programs. Directed and managed project team in areas of configuration management and commercial quality procurement. Participated as lead auditor for third party management and technical audits.

Managerial responsibilities include forecasting staffing needs, budget, schedule, establishment of reasonable and workable project plans and milestone targets. These functions are performed in a manner which satisfies clients needs and finances.

**NUTECH Engineers.** - Mr. DiBenedetto developed the Equipment Qualification Group, which served such clients as Consumers Power Company, Detroit Edison Company, Cleveland Electric Illuminating Company, Illinois Power Company, Kansas Gas and Electric, and Union Electric Company. Services included identification of required equipment, assessment of required profiles, development of central files, establishment of procedures for surveillance and maintenance, and site verification. Additional services included independent equipment qualification audits, training and seminars, and system reviews to justify interim operation. Mr. DiBenedetto developed a Mechanical Equipment Qualification Program, authored several technical documents relating to EQ and the impact of rulemaking thereon, and developed an EQ seminar which he presented in (Belgium, Holland, Japan, Korea, Spain, Switzerland, Taiwan and the United Kingdom).

In addition to EQ services, he provided a broad range of engineering services to clients, including management overview audits, Quality Assurance reviews, and engineering systems and supporting analyses.

**U.S. Nuclear Regulatory Commission.** - As Section Leader of Environmental Qualification with the USNRC, Mr. DiBenedetto managed environmental qualification aspects of the technical regulation of commercial nuclear power plants. He was responsible for developing, supervising and providing guidance to reviewers for the consideration and evaluation of utility environmental qualification programs. He was responsible for directing and coordinating engineering consultants in the performance of environmental qualification audits and environmental testing of equipment.

As Senior Reactor Safety Engineer with USNRC, Mr. DiBenedetto was a member of a task group organized to perform systems evaluations at Three Mile Island in the cleanup and recovery phase. He was also a member of a task group which developed the Systematic Evaluation Program (SEP) where he developed the SEP's leak-before-break position for high energy lines, performed thermal hydraulic analyses associated with N-1 loop operation, and performed failed fuel studies. As a Project Manager with the USNRC, he managed the review and evaluation of a variety of engineering safety and environmental considerations associated with the design and operation of commercial nuclear power plants including independent technical safety evaluations, coordinating technical evaluations by the NRC staff, preparing license amendments for technical specifications for nuclear power plants, and chairing technical committees.



As Operating Reactor Project Manager with the USNRC, he was responsible for Regulatory Safety and Licensing Actions associated with the LaCrosse Boiling Water Reactor, Vermont Yankee, and Beaver Valley Power Station Unit 1.

General Electric, - As Primary System Engineer, Mr. DiBenedetto finalized design concepts and prepared operating instructions and test procedures for submarine systems at General Electric's Knolls Atomic Power Laboratory.

#### MEMBERSHIPS:

Chairman, ANS Subcommittee 56.9, Environmental Envelopes

Member, ANS Subcommittee 56.11, Flooding (Standard Issue)

Chairman, ASME PVP-OAC Subcommittee SC2, Qualification and Testing

Member, ASME PVP-OAC Subcommittee SC8, Plant Life Extension

Past Member, IEEE Subcommittee 3.3 (WG 3.3) Maintenance Good Practices

Member, IEEE Subcommittee SC2, Qualification

Member, New England Coalition for Reliable Energy

#### PUBLICATIONS:

"Quality Assurance for Spare and Replacement Parts", position paper prepared for The Detroit Edison Company, April, 1983

"Synergistic Dose Rate Effects on Cable", position paper prepared for Consumers Power Company, November, 1982

"The Procurement of Spare Parts", paper presented to ASQC Winter Meeting, Orlando, Florida, October, 1982

How to Develop, Implement and Assess Equipment Qualification Programs for Nuclear Power Plants", short course prepared for ASME

"Integrating Plant Operations and Equipment Qualification Requirements", short course prepared for ASME

"Safety-Related Equipment Qualification Seminar", short course prepared for ASME



"Cost Effective Maintenance, Surveillance and Procurement of Safety-Related Equipment", short course prepared for ASME

"Midland Protect Equipment Qualification Seminar", developed for Consumers Power Company

"Vermont Yankee Equipment Environmental Qualification Seminar", developed for Vermont Yankee Nuclear Power Corporation

"Aging Research Program", Co-Author with T. Sideris, K. Goller, ASME 1988 PVP-OAC Summer Meeting

