



TRAINING INSTITUTE, INC.
ELECTRICAL ENGINEERING DIVISION
Registered Engineering Firm in the State of Texas #F-006122
1-877-594-3156 • www.avoeedivision.com

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QUALIFICATIONS BRIEF

(Page 1 of 3)

DENNIS K. NEITZEL, CPE
Director – AVO Training Institute, Inc.

SUMMARY

Dennis has over 40 years experience in Electrical Utility and Industrial facilities and systems with an extensive background in electrical safety and power systems analysis. As Director of the AVO Training Institute, Dennis is responsible for directing *all* functions of the Training Institute. Additional responsibilities include preparing and managing the Institute annual budget and business plan; managing all course instruction, electrical engineering, and safety services functions. Dennis is a Certified Plant Engineer (CPE), Certified Technical Instructor (Westinghouse), and Certified Electrical Inspector – General. Dennis developed the Electrical Safety Assessment program and conducted numerous OSHA-type electrical safety and compliance inspections for industrial facilities.

EXPERIENCE

Present – 2000

AVO Training Institute, Inc. – Director

Dennis is responsible for directing all functions of the Training Institute. His responsibilities include preparing and managing the Institute annual budget *and* business plan; managing all course instruction, electrical engineering, and safety services functions. He also presents, as a guest speaker, at numerous national conferences and seminars, as well as conducts training courses for AVO Training Institute. Dennis developed, organized, and directs the Electrical Engineering Division and Electrical Safety Services organizations and was responsible for registering AVO Training Institute, Inc., as a Registered Engineering Firm in the State of Texas.

2000 – 1996

AVO Training Institute – Training Manager

Responsibilities included managing the development of course curriculum and powerpoint presentations; providing and assigning instructional staff for course presentations; and managing staff for desktop publishing, warehouse and shipping, classroom setup, and administration for the Institute.

1996 – 1989

AVO Training Institute – Senior Training Engineer

Responsibilities included developing training course curriculum and lesson plans, as well as conducting courses in the National Electrical Code, Industrial Electrical Safety, High Voltage Electrical Safety, and OSHA/NFPA Electrical Safety Standards as well as numerous electrical equipment maintenance and testing courses. Dennis also developed the Electrical Safety Assessment Program and conducted OSHA type electrical safety and compliance inspections for industrial facilities. Additionally, Dennis served as Project Manager for the development and implementation of the AVO Technician Certification Programs.

QUALIFICATIONS BRIEF (CONT)

(Page 2 of 3)

EXPERIENCE (CONT)

1989 – 1977

Idaho National Engineering and Environmental Laboratory – Idaho Falls, Idaho

Westinghouse Idaho Nuclear Company, Inc. (April 1989 – July 1986)

Senior Project Engineer, Electrical (April 1989 – November 1987)

Responsible for the design accuracy and quality of all power distribution and utilization systems. He served as Design Review Committee Chairman for the major electrical construction packages. Dennis maintained the “as built” files for all electrical construction packages and was responsible for processing change orders during construction of a 160,000-square foot Fuel Processing Facility project at the Idaho Chemical Processing Plant.

Training Specialist (November 1987 – July 1986)

Responsible for training and qualifying plant Electricians, Electrical Engineers, and Quality Assurance Inspectors. Additionally developing curriculum and instruction.

EG&G Idaho, Inc. (July 1986 – January 1977)

Power Management (July 1986 – June 1982)

Dennis has extensive knowledge and considerable experience in all facets of electrical power transmission and distribution systems. Dennis spent two years “as-building” the control systems drawings for the seven 138 kV substations at the Idaho National Engineering Laboratory. Additionally, Dennis served as the Training and Safety Coordinator for the Power Management Branch from October 1984 to July 1986.

Loss of Fluid Test Reactor Facility (June 1981 – January 1977)

Dennis has considerable knowledge and experience in the electrical systems of a power reactor, reactor control room, and facility equipment. Dennis has had many occasions to assist in new systems design and the redesigning of existing systems. Additionally, Dennis was a licensed Electrical Contractor and performed electrical installations for various types of facilities on a part-time basis.

1976 – 1975 – Sub-Contractor

While working as a licensed Journeyman Electrician for various contractors, Dennis obtained a good knowledge and considerable experience in all facets of industrial, commercial and residential electrical construction and maintenance. Dennis worked as a “working” job supervisor on many construction projects.

1975 – 1967 – U.S. Air Force

Dennis has good knowledge and considerable experience in all facets of electrical and pneumatic systems and equipment, troubleshooting and maintenance. Dennis has excellent knowledge and is well qualified in the operation of a variety of electrical test equipment. Additionally, Dennis has served in the following positions: Electrical Shift Supervisor and Primary Trainer, Electrical Inspector and Personnel Evaluator, and Chief Technical Advisor.

EDUCATION AND PROFESSIONAL

EDUCATION:

Columbia Pacific University

MS Degree Electrical Engineering Applied Sciences – 1991

BA Degree Electrical Engineering Management – 1986

Idaho Falls High School – Graduated 1967

Military Formal Schools

Community College of Air Force Courses

Air University Courses

QUALIFICATIONS BRIEF (CONT)

(Page 3 of 3)

ASSOCIATIONS:

Association for Facilities Engineering (AFE)
Institute of Electrical and Electronics Engineers (IEEE – Senior Member)
(IEEE Std. 902 Working Group Chairman)
National Fire Protection Association (NFPA),
(NFPA 70E Principal Committee Member)
International Association of Electrical Inspectors (IAEI)
American Society of Safety Engineers (ASSE)

CERTIFICATION:

Certified Plant Engineer (CPE)
Certified Technical Instructor (Westinghouse)
Certified Electrical Inspector – General

PUBLICATIONS:

Electrical Safety Handbook, Second Edition, McGraw-Hill Publisher, 2000, Co-Author
NFPA 70E “Standard for Electrical Safety in the Workplace” – 1995, 2000, 2004 Editions
IEEE – PCIC Europe – Technical Paper – May 27–28, 2004, Basel, Switzerland
IEEE – PPIC – Technical Paper – June 27 – July 1, 2004, Victoria, British Columbia
IEEE – PPIC – Technical Paper – June 20 – 23, 2005, Jacksonville, Florida
Electrical Safety Handbook, Third Edition, McGraw-Hill Publisher, 2005, Co-Author
IEEE – PPIC – Technical Paper – June 18 – 23, 2006, Appleton, Wisconsin
Published articles in numerous technical magazines and newsletters

AWARDS:

Safety Professional of the Year, 2003 – 2004, Engineering Practice Specialty – American Society
of Safety Engineers
Jesse Locke Member Safety Award, 2006 – American Society of Safety Engineers