

Warren (“Dean”) Naylor, P.E.

SUMMARY

Have progressed from Navy electrician to apprentice electrician to electrical foreman, then to electrical engineering student, electrical engineer, professional engineer and engineering manager. Involved in electrical safety through IEEE, NETA, and instructing. Over 20 years of experience in electrical system operation, installation, maintenance, analysis and testing. Have worked in a variety of installations from chemical, petroleum, manufacturing, commercial, and generation. Past member of IEEE 1584 and P1814 Committees.



PROFESSIONAL EXPERIENCE

Oglethorpe Power Corporation, Dalton, GA

Jan 2016 – June 2018

Senior Electrical Engineer-Technical Services Group

Oversaw Electrical Testing and Predictive/Preventive Maintenance Programs at Thomas A. Smith Electrical Facility. Responsible for planning such efforts as major generator outages and the design, selection and implementation of new control systems. Helped in planning, review and monitoring of annual electrical inspections and writing of annual reports. Provided business, administrative, and technical support for plant managers and other personnel as needed, including the design of new plant systems or modifications to existing plant systems, planning, budgeting, and performance analysis. Helped in the writing of actual plant procedures to enable compliance with NERC/SERC standards such as reactive power validation. Provided services, such as the review of drawings, specifications, design memoranda, etc., to generation projects in development or under construction.

Hankook Tire, Clarksville, TN

May 2014 – Dec 2015

Electrical Engineering Facility Manager

Electrical Engineer; assisted with plant electrical engineering, ensuring drawings met specifications.

Electric Power Systems, Maryland Heights, MO

June 2011 – April 2014

Director of Engineering- Systems Protection Group

Electrical Engineer; assisting on jobs testing power equipment and evaluating results, as well as performing system protection and arc flash studies for commercial and industrial facilities. Managing the System Protection Group, a group of engineers performing electrical system studies such as arc flash, short circuit, and load flow studies for hundreds of clients, ensuring that studies are performed on time and on budget.

Tony Demaria Electric, Wilmington, CA

March 2010-Feb 2011

Electrical Engineer

Electrical Engineer; assisting on jobs testing power equipment, evaluating results, performing electrical system studies, and instructing electricians and technicians in electrical safety and electrical equipment maintenance techniques for facility electrical equipment.

Aerospace Testing Alliance, Arnold Air Force Base, TN

Nov 2005 – Mar 2010

Electrical Reliability Engineer

Managed base-wide arc flash program. This multimillion-dollar project consisted of performing the arc flash hazard study on the base electrical system from 161kV to 208V, labeling electrical equipment with appropriate warning labels, selecting and distributing arc flash PPE for electrical workers, refurbishing 480V breakers, and creating a maintenance plan for low voltage power equipment using a combination of manufacturer's recommendations, industry best practices, and FMEA.

Worley Parsons Engineering, Chattanooga, TN

May 2005 – Nov 2005

Junior Electrical Engineer

Junior engineer performing load flow, short circuit, and arc flash studies on coal fired generation plants using ETAP PowerStation. Wrote reports and analyzed recommendations based on study results.

AdTech Ceramics, Chattanooga, TN

May 2003 – May 2005

Jun 2000 – June 2001

Facility Maintenance Electrician

Facility Maintenance Electrician while attending college to obtain Bachelor's degree in Electrical Engineering. Also performed work part-time as Facility Maintenance Engineer, evaluating proposals for equipment and system upgrades.

Tennessee Valley Authority (TVA), Chattanooga, TN

Sep 2001 – May 2003

Engineering Intern

Engineering Intern working to perform arc flash calculations for electric generating facilities and formulate TVA arc flash policy. Worked with H.O. (Buddy) Kemp who was on the original IEEE 1584 Committee.

IBEW Local 995, Baton Rouge, LA

Electrician

Worked many projects from residential to commercial to industrial. Progressed from apprentice to journeyman inside wireman. Was foreman on many jobs. Won Louisiana statewide IBEW apprentice competition in 1998.

EDUCATION

University of Tennessee at Chattanooga

Chattanooga, TN

Bachelor of Science in Electrical Engineering

IBEW NJATC

Baton Rouge, LA

Journeyman Electrician

US Navy Nuclear Power Program

CURRICULUM VITAE

Orlando, FL
Electrician's Mate

MILITARY

United States Navy
Naval Nuclear Power Program
Electrician's Mate 2nd Class
Qualified Submarine Electrical Operator

MEMBERSHIP / CERTIFICATIONS

Registered Professional Engineer, Tennessee #113268
Member, Institute of Electrical and Electronics Engineers (IEEE)
Past Member, IEEE 1584, Committee for Performing Arc Flash Hazard Calculations
Past Member, IEEE 1814, Committee for Electrical System Design Techniques to Improve Electrical Safety
Balloting Member of various IEEE standards
Previous InterNational Electrical Testing Association (NETA) Certified Electrical Technician, Level III # 10-3-5166430
Previous Certified Maintenance and Reliability Professional (SMRP)
Licensed Industrial Electrician with National Center for Construction Education and Research (NCCER) # 8363626
Previous Certified Cable Splicer, National Cable Splicer Certification Board (NCSCB) # 01163

Have written electrical safety training manuals at previous employers.
Have performed electrical safety training for multiple areas of the electrical field.
Have published in Consulting-Specifying Engineer, www.csemag.com