A-109
12/16/83

Appl Sch

# Charles J. Wylie

## Chief Engineer - Electrical Division - Design Engineering

## Duke Power Company

## Professional Qualifications

Chief Engineer, Electrical Division, Design Engineering Department, Duke Power Company. Duke Power Company ranks seventh in size among investor-owned utility companies and maintains its own "in-house" engineering, design and construction forces for all its facilities. Mr. Wylie manages the Electrical Division responsible for the engineering and design of the electrical control, instrumentation, power systems and equipment for all electric generating stations and associated switching stations.

Mr. Wylie received a BS in Electrical Engineering from the University of South Carolina in 1950, and his post graduate training has included nuclear engineering, nuclear power plant design, computer technology and application, power system engineering, electric generating station design, switching station design, and management development.

Mr. Wylie is a Registered Professional Engineer in North Carolina and South Carolina.

Mr. Wylie joined the Design Engineering Department of Duke Power Company in 1950 and advanced to the position of Electrical Engineer in 1960 responsible for electrical engineering and design of electric generating stations. During 1956 and 1957, Mr. Wylie participated in the engineering of the first nuclear power plant in the southeast, the CVTR-PWR Plant at Parr, South Carolina.

Mr. Wylie was appointed Chief Engineer of the Electrical Division in 1972 and is responsible for all electrical engineering, design and equipment for new generating facilities. In this capacity, he has directed the Electrical Division activities for seven nuclear units, with a total net generating capacity of 7,230 megawatts electrical.

Mr. Wylie has served various professional standards committees. He is a "Fellow" of the Institute of Electrical and Electronics Engineers and is past chairman of the IEEE Power Generation Committee, and has served on the IEEE Standards Board, the Nuclear Power Engineering Committee, Switchgear Committee and Rotating Machinery Committee. He was chairman of the ANSI/ASME N45 N 551 Working Group on Reactor Coolant Pump Motor Frames and a member of the American Nuclear Society.

Presently, Mr. Wylie is a member of the IEEE Power Generation Committee, the Station Design Subcommittee, and the IEEE Standards Board.

During the Summer of 1976, Mr. Wylie served as a member of a workshop on Sabotage Protection in Nuclear Power Plant Design conducted at the Sandia Laboratories, Albuquerque, New Mexico, for the United States Nuclear Regulatory Commission.

In 1977, Mr. Wylie was appointed as the U.S. representative to a working group of the International Atomic Energy Agency to write the "Safety Guide on Safety-Related Electrical Power Systems for Nuclear Plants".



12/1/83

6/3/83

JAMES CURTIS ALLGOOD

12308 SHERMAN DRIVE
CHARLOTTE, NC 28210
PHONE: HOME (704)588-4193
BUS. (803)831-1512

FORMAL EDUCATION

North Carolina State University - BSEE, 1977

ADDITIONAL TRAINING

Influencing Skills; DPC
Communication Skills; DPC
Effective Meetings; DPC
Effective Writing; DPC
Effective Supervisor Communications; DPC
Performance Management; DPC
New Foreman Training; DPC
Engineering Economics - Cost Analysis; DPC

PROFESSIONAL INVOLVEMENT

Registered Professional Engineer - North Carolina 10394

WORK EXPERIENCE

| FROM | TO | TITLE | PROGRAM | COMPANY |
|---|---|---|---|---|
| 2/82 | Present | Associate Field Engineer | Catawba Nuclear Station | Duke Power |

Supervise the Electrical Technical Support Control Group. Duties include review and approval of drawing changes, assure work is completed in accordance with schedule, review procedures, and in general assure a good quality job is maintained. The group of one engineer, 14 technicians, and one clerk are responsible for identification of system boundaries, generation of work packages, solving field problems, and supporting the completion and area engineers for both unit 1 and 2.

WORK
EXPERIENCE

| FROM | TO | TITLE | PROGRAM | COMPANY |
|---|---|---|---|---|
| 1/80 | 2/82 | Assistant Field Engineer | Catawba Nuclear Station | Duke Power |

Aid and support the electrical craft in construction. Coordinate work between crafts, contractors, vendors, transmission, and Design personnel as needed. Originate drawing changes, write construction procedures needed to do specific jobs not covered by Design or quality assurance procedures.

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|---|---|---|---|---|
| 10/79 | 1/80 | Assistant Field Engineer | Catawba Nuclear Station | Duke Power |

Set up and organize the electrical and instrument quality control inspection program. Duties include: train inspectors, write inspection procedures, review and approve inspection documentation and resolve questions from one supervisor and 15 electrical and instrument inspectors by working with the Quality Assurance Engineers, Technical Support, and Design Engineering.

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|---|---|---|---|---|
| 6/77 | 10/79 | Junior Field Engineer | Catawba Nuclear Station | Duke Power |

Duties were the same as above 10/79 - 1/80

RESUME
THOMAS ANDERSON BARRON

PERSONAL: Telephone: (803) 831-1512 (Office)

FORMAL EDUCATION:
Clemson University: BSME 1976
Winthrop College: Graduate Courses in MBA
1981 to present.

ADDITIONAL TRAINING:
Level I Receiving Inspector - Duke Power Company
Level I Mechanical Inspector - Duke Power Company
Level II Mechanical Inspector - Duke Power Company
Equal Employment Opportunity - Duke Power Company
Level III Receiving Inspector - Duke Power Company
Level III Mechanical Inspector - Duke Power Company
Selection Interview - Duke Power Company
Effective Written Communications - Duke Power Company
Effective Meetings - Duke Power Company
Management Development Program - Duke Power Company
Communications Training Program - Duke Power Company
Communications Skills - Duke Power Company
Design of Nuclear Component Supports - Duke Power Co.
ASME Code Section III - Duke Power Company
Section NCA - Duke Power Company
Stress Management - Duke Power Company

PROFESSIONAL INVOLVEMENT:
Registered Professional Engineer - S.C. 8386
N.C. 10222

Member - ASME - Charlotte Engineers Club

WORK EXPERIENCE:

9/83 - Present Q.A. Engineer, Catawba Nuclear Station
Duke Power Company. No responsibility changes.

9/82 - 9/83 Associate Q.A. Engineer, Catawba Nuclear Station
Duke Power Company. Assigned to Quality Assurance Hangers.

Responsibilities Include:
Supply inspection requirement for inspectors
Review and approve CPs and NCIs
Resolve NCI for QA involvement
Interface with ANI, NRC, Design and Construction
Supply records review instructions
Coordinate reviews on hanger process control
Coordinate work with Construction schedule
Perform employee selection, training, evaluation and counseling
Coordinate with Scheduling for review for cold set, finish walk and stamping.

9/81 - 9/82 Associate QA Engineer, Catawba Nuclear Station
Duke Power Company. No responsibility changes.

9/80 - 9/81 Quality Control Engineer, Catawba Nuclear Station
Duke Power Company.

Responsibilities expanded to include:
Coordinate mechanical QC system status and schedule.
Personal surveillance of inspection activities.

3/78 - 9/80 Assistant Field, Catawba Nuclear Station
Duke Power Company.

Responsibilities included:
Personnel selection and evaluation.
Receipt of safety related materials.
Inspections of equipment installation, system testing, and pipe erection.
Coordination of inspection questions with Design, Construction and QA Department.

5/76 - 3/78 Junior Field, Catawba Nuclear Station
Duke Power Company.

Mechanical Quality Control - Responsibilities included the following:

a. Generation of site construction procedure.
b. Selection and training of inspection personnel.
c. Calibration of measurement equipment.
d. Coordination of all mechanical inspections.
e. Selection and ordering of calibration equipment.

DWIGHT LANE FREEZE


PERSONAL:

Home Address: 700 Westchester Drive
Anderson, S C 29621

Telephone: (803) 224-8049 (Home)
(704) 373-7822 (Office)


FORMAL EDUCATION:

North Carolina State University 1967
Bachelor Of Science - Civil Engineering, Construction Option

ADDITIONAL TRAINING:

Duke Power Nuclear Training Program (1970)
Quality Assurance Requirements, Ohio State University (1974)
Welding - Metallurgy, Quality, Inspections Codes and Processes - University of Tennessee (1972)

PROFESSIONAL INVOLVEMENT:

Professional engineering registration in North Carolina and South Carolina. Associate Member American Society of Civil Engineers.

WORK EXPERIENCE:

| FROM | TO | TITLE | PROGRAM | COMPANY |
|---|---|---|---|---|
| 2/82 | Present | Manager | Oconee Station Support Division | Duke Power |

Responsible for providing maintenance support to an operating nuclear station - 3 units. In addition, responsible for construction of all major capital additions to the station. Assignments have included construction of a Standby Shutdown Facility ($65 million) and construction of a low-level radioactive waste volume reduction facility ($100 million). Supervise 6 staff reporting directly and a total workforce of 550.

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| 2/81 | 1/82 | Manager | Construction Services | Duke Power |

In charge of staff group responsible for coordinating the activities of five (5) construction locations in the areas of scheduling, budgeting, equipment assignment and maintenance, materials management and materials control system development. In addition, responsible for all site personnel during reduced-work period for a nuclear plant and also responsible for bid package, review of bids and contractor selection for initial excavation for a pumped-storage hydro plant. Supervised 5 engineers and 50 technicians and clerical persons.

WORK EXPERIENCE: (continued)

| FROM | TO | TITLE | PROGRAM | COMPANY |
|---|---|---|---|---|
| 6/74 | 12/81 | Project Engineer | Catawba Nuclear Station | Duke Power |

Responsible for technical support, scheduling, budgeting and inspection of all civil, mechanical, electrical installations for construction of a two-unit nuclear power station (1145 Mwe each). Also, responsible for design of all temporary support facilities for construction such as air, water, power, etc. Supervised 50 engineers and 300 technicians and inspectors.

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|---|---|---|---|---|
| 9/71 | 5/74 | Principal Field Engineer | Oconee Nuclear Station | Duke Power |

Responsible for technical support, scheduling, budgeting and inspection of all civil, mechanical, electrical installations for construction of a three-unit nuclear power station (860 Mwe each). Also, responsible for design of all temporary facilities for construction such as air, water, power, etc. Supervised 40 engineers and 120 technicians and inspectors.

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|---|---|---|---|---|
| 2/71 | 8/71 | Field Engineer-Civil | Oconee Nuclear Station | Duke Power |

Responsible for technical support for all structural work - concrete, structural steel, etc - for construction of three-unit nuclear power station (860 Mwe each). Activities included concrete mix designs, footing designs to support unloading reactor vessels and steam generators. Also, responsible for inspection of all structural work. Supervised 8 engineers and 10 structural inspectors.

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| 4/68 | 1/71 | Field Engineer-Office | Oconee Nuclear Station | Duke Power |

Responsible for office functions, scheduling, status information and material delivery schedules for construction of three-unit nuclear power station (860 Mwe each). Developed procedure to document changes to design drawings. Supervised 4 engineers and 5 technicians.

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|---|---|---|---|---|
| 6/67 | 3/68 | Assistant Field Engineer | Oconee Nuclear Station | Duke Power |

Responsible for assisting in schedule preparation, technical support and office functions.

# RESUME

THOMAS H. WEIR, JR.
2033 G Dutchman Dr.
Rock Hill, S.C. 29730

Telephone: (803) 366-8528

**WORK EXPERIENCE**
1978 - Present

DUKE POWER CO.-Catawba Nuclear Station
Mechanical Construction Engineer - Providing mechanics with technical support pertaining to mechanical equipment, valves, and piping systems during their (1) storage before installation, (2) installation in the plant, (3) preparation for start-up and operation, and (4) initial operation troubleshooting.

- Provide mechanics with technical assistance in interpreting plant design drawings and construction procedures.
- Insure materials are available on site to meet schedules.
- Initiate procedures to properly install, operate, and store equipment.
- Review plant piping drawings for accuracy and conformance to ASME and ANSI codes.
- Resolve any deviations between plant design drawings or specifications and the actual piping/equipment with the plant designers.
- Receive technical problems and questions proposed by the mechanics and resolve them with the design engineers and/or the manufacturer.
- Evaluate inoperable equipment/valves and initiate procedures to repair them. Also specify and order the missing or broken parts.
- Call in vendors to over-see special installation or repair jobs; co-ordinate needs of vendor to furnish him with workforce and materials to perform his tasks.
- Responsible for supervising and training technicians.

**EDUCATION**
1974 - 1978

Degree of Bachelor of Science in Mechanical Engineering. Clemson University. Alpha Tau Omega Fraternity. Intramural Sports. Earned all "spending money" for college with summer and Christmas break jobs.

**EARLY BACKGROUND**

Grew up in small town, Winnsboro, S.C. - Graduated in top 10% of high school class.

**ACTIVITIES AND INTERESTS**

American Nuclear Society, Alpha Tau Omega Fraternity Alumni, Carowings flying club, YMCA, travel, active in many sports.

**PERSONAL**

Single; 5'-8"; 165 lbs.; birth date: 12-2-55; excellent health.

**REFERENCES**

References will be provided upon request.

RESUME

ALAN C. BARICH
Manager, Customer Service
Transamerica Delaval, Inc.

PERSONAL: Telephone (415) 577-7505 (office)

FORMAL EDUCATION: California State Polytechnic College
BSME 1969

ADDITIONAL TRAINING:
Financial Seminar - Wharton Business School
Maritime Law - S. F. Bar Association
Management Training Skills - Transamerica Corp.
ASME Code Training - Transamerica Delaval
10CFR21 Training - Transamerica Delaval

PROFESSIONAL INVOLVEMENT: Member - SNAME, ASNE, ASTM

WORK EXPERIENCE:

9/83 Present Manager Customer Service Department
Responsibilities include:
- Installation of all TDI supplied equipment and systems
- Field testing of all TDI supplied equipment to requirements of contract specifications
- Assessment and correction of field reported problems of TDI supplied equipment
- Engineering evaluation and recommendation for product design improvements
- Maintenance and operational support for TDI engines

9/82 - 9/83 Manager, New Engine Sales. Responsibility include:
- Preparation of technical and commercial proposals for application of TDI engines to marine, stationary power generation, and nuclear standby services
- Direct technical expertise support for TDI Field sales organization. This includes in depth detail knowledge of engine design criteria.

6/79 - 9/82 Manager, Marine & Nuclear Sales. Responsibilities include:
- Preparation of technical and commercial proposals for application of TDI engines to marine and nuclear services.
- Direct technical expertise support for TDI field sales organization.

3/74 - 6/79 Product Sales Specialists. Responsibilities include:
- Preparation of Technical proposals for application of TDI engines for marine and nuclear standby service
- Technical expertise support for TDI field sales organization

3/71 - 3/74 Project Engineer. Responsibilities include:

- Review of contract technical specifications
- Design of engine fluid support systems including specification of auxiliary components
- Design selection of engine driven equipment including generators
- Customer technical and coordination of TDI supplied equipment into specific services

3/69 - 3/71 Customer Service Engineer. Responsibilities include.

- Field testing of TDI supplied equipment
- Assessment and correction of field reported problems
- Maintenance and operational guidance for equipment supplied by TDI