

MANAGER, POWER AND ENGINEERING (NUCLEAR)  
H. G. PARRIS

WORK EXPERIENCE

JUL 85 - PRESENT	MANAGER, POWER AND ENGINEERING (NUCLEAR), TVA, CHATTANOOGA
OCT 84 - JUL 85	MANAGER, POWER AND ENGINEERING, TVA, CHATTANOOGA
DEC 78 - OCT 84	MANAGER, OFFICE OF POWER, TVA, CHATTANOOGA
SEP 78 - DEC 78	ASSISTANT MANAGER, OFFICE OF POWER, TVA, CHATTANOOGA
JUL 77 - SEP 78	MANAGER, POWER PLANNING, TVA, CHATTANOOGA
JAN 75 - JUL 77	DIRECTOR, DIVISION OF POWER RESOURCE PLANNING, TVA, CHATTANOOGA
MAR 73 - JAN 75	ASSISTANT DIRECTOR, DIVISION OF POWER RESOURCE PLANNING, TVA, CHATTANOOGA
JUN 71 - MAR 73	BRANCH CHIEF, DIVISION OF POWER RESOURCE PLANNING, TVA, CHATTANOOGA
FEB 70 - JUN 71	ASSISTANT BRANCH CHIEF, DIVISION OF POWER RESOURCE PLANNING, TVA, CHATTANOOGA
JUL 67 - FEB 70	SECTION SUPERVISOR, DIVISION OF POWER PLANNING AND ENGINEERING, TVA, CHATTANOOGA
AUG 58 - JUL 67	POWER SUPPLY ENGINEER, DIVISION OF POWER SUPPLY, TVA, CHATTANOOGA

MANAGEMENT TRAINING

- OCT 83 - LOSS CONTROL MANAGEMENT
- JAN 77 - BROOKINGS INSTITUTE, CONFERENCE FOR GOVERNMENT EXECUTIVES  
(SCIENCE AND ENGINEERING)
- DEC 75 - MANAGING ORGANIZATION CHANGE
- APR 75 - EXPLORING ATTITUDES TOWARD DEVELOPMENT OF EMPLOYEES
- APR 74 - MANAGING OTHER MANAGERS, UNIVERSITY OF MICHIGAN
- MAY 61 - CORRESPONDENCE MANAGEMENT WORKSHOP

TECHNICAL TRAINING

- JUN 76 - NATIONAL ENERGY FORUM, WORLD ENERGY CONFERENCE,  
WASHINGTON, DC
- SEP 64 - THESIS FOR ELECTRICAL ENGINEERING
- MAY 64 - TENSOR ANALYSIS AS APPLIED TO ELECTRICAL MACHINERY
- MAY 62 - TRANSIENTS IN LINEAR SYSTEMS
- MAR 60 - LINEAR PROGRAMMING
- AUG 59 - PRINCIPLES OF FORTRAN
- SEP 58 - ENGINEER TRAINING PROGRAM (ROTATION PHASE), TVA'S OFFICE OF  
POWER

SEMINARS AND CONFERENCES

- MAY 83 - CJCC VALLEY-WIDE MEETING
- APR 83 - TVPPA/ANNUAL POWER UTILIZATION MEETING
- FEB 83 - WATTEC/ENERGY CONFERENCE
- APR 82 - TVPPA MEETING

EDUCATION

- 1958 B.S. ELECTRICAL ENGINEERING, CLEMSON COLLEGE
- 1966 M.S. ELECTRICAL ENGINEERING, UNIVERSITY OF TENNESSEE

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

- 1979 - FOUNDRING MEMBER, BOARD OF DIRECTORS, INSTITUTE OF NUCLEAR  
PRESENT POWER OPERATIONS (INPO), ATLANTA, GEORGIA
- 1980 - MEMBER, NOMINATING COMMITTEE OF THE BOARD OF DIRECTORS,  
PRESENT INPO
- 1983 CHAIRMAN, NOMINATING COMMITTEE OF THE BOARD OF DIRECTORS,  
INPO
- 1982 - MEMBER, EXECUTIVE COMMITTEE OF THE BOARD OF DIRECTORS,  
PRESENT INPO
- 1981 - MEMBER, BOARD OF DIRECTORS, SOUTHEASTERN ELECTRIC  
PRESENT RELIABILITY COUNCIL (SERC), ATLANTA, GEORGIA
- 1981 - SECRETARY-TREASURER, SOUTHEASTERN ELECTRIC RELIABILITY  
1983 COUNCIL
- 1983 - VICE CHAIRMAN, SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL  
1985
- 1985 - CHAIRMAN, SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL  
1987
- 1983 - MEMBER, BOARD OF TRUSTEES, NORTH AMERICAN ELECTRIC  
PRESENT RELIABILITY COUNCIL (NERC), NEW YORK, NEW YORK

LICENSES/CERTIFICATES

MAY 84 - NATIONAL MANAGEMENT ASSOCIATION SILVER KNIGHT AWARD

CAREER HIGHLIGHTS

- o DIRECTS OVERALL PLANNING AND COORDINATED EXECUTION OF TVA'S POWER AND ENGINEERING ACTIVITIES.
- o DIRECTS THE DEVELOPMENT AND EXECUTION OF PLANS, POLICIES, AND PROGRAMS FOR THE GENERATION, TRANSMISSION, AND UTILIZATION OF ELECTRIC POWER WITH A BUDGET OF \$4.2 MILLION.
- o UNIFIED TVA'S NUCLEAR POWER PRODUCTION AND ENGINEERING DESIGN AND CONSTRUCTION ORGANIZATIONS TO IMPROVE ACCOUNTABILITY, RESPONSIBILITY, AND MANAGEMENT CONTROL OVER THE MAJOR DISCIPLINES IN THE NUCLEAR PROGRAM.
- o EXECUTED A POLICY OF PLACING NUCLEAR SAFETY ABOVE POWER PRODUCTION, WHICH RESULTED IN THE RECENT SHUTDOWN OF ALL OF TVA'S OPERATING NUCLEAR UNITS UNTIL QUESTIONS CONCERNING THE ADEQUACY OF EQUIPMENT, PROCEDURES, AND PERSONNEL ARE RESOLVED.

- o DETERMINED THE NEED FOR AND LED THE EXPANSION OF TVA LOAD FORECASTING PROGRAM WHICH IDENTIFIED AND QUANTIFIED A RANGE OF UNCERTAINTIES TOGETHER WITH REDUCED FUTURE NEED FOR GENERATING CAPACITY IN THE 1979-81 PERIOD.
- o RECOMMENDED THE DEFERRAL AND LATER CANCELLATION OF EIGHT NUCLEAR GENERATING UNITS IN THE 1981-84 PERIOD DUE TO REDUCED NEED FOR THE GENERATING CAPACITY AS SHOWN BY REVISIONS DOWNWARD IN TVA'S POWER LOAD FORECAST AND THE ADVERSE UPWARD PRESSURE ON CONSUMER ELECTRIC RATES CAUSED BY THE FINANCING REQUIREMENTS OF THE NUCLEAR CONSTRUCTION PROGRAM. TVA ORIGINALLY HAD 17 NUCLEAR UNITS UNDER CONSTRUCTION AT SEVEN SITES. TODAY FIVE UNITS ARE LICENSED, FOUR ARE UNDER CONSTRUCTION AND EIGHT HAVE BEEN CANCELLED.
- o DIRECTED THE DEVELOPMENT AND IMPLEMENTATION OF CLEAR MANAGEMENT ACCOUNTABILITY THROUGH A MONTHLY TOP MANAGEMENT REPORTING AND MEETING FORMAT THAT REQUIRED 20 INDIVIDUAL MANAGERS REPRESENTING ALL P&E ORGANIZATIONS TO REPORT PERSONALLY ON COST CONTAINMENT GOALS AND OBJECTIVES, REDUCING TOTAL OPERATING POWER SYSTEM EMPLOYMENT FROM 19,000 IN 1982 TO 16,000 IN 1985.
- o ACHIEVED CONSUMER ELECTRIC RATE STABILITY FOR FIVE CONSECUTIVE YEARS, FISCAL 1981-86, THROUGH THE ABOVE MANAGEMENT ACTIONS. TOTAL INCREASE HAS BEEN ABOUT HALF OF THE AMOUNT OF INCREASE IN GENERAL INFLATION, AS MEASURED BY THE CONSUMER PRICE INDEX, U.S. DEPARTMENT OF COMMERCE.

**DEPUTY MANAGER, POWER & ENGINEERING  
MANAGER, NUCLEAR OPERATIONS  
CHARLES C. MASON**

**WORK EXPERIENCE**

OCT 85 - PRESENT      DEPUTY MANAGER, (MANAGER, NUCLEAR OPERATIONS), POWER AND ENGINEERING (NUCLEAR), TVA, CHATTANOOGA

AUG 84 - OCT 85      DIRECTOR, NUCLEAR OPERATIONS, AND SITE DIRECTOR, KANSAS GAS & ELECTRIC LIGHT, WOLF CREEK GENERATING STATION, BURLINGTON, KANSAS

APR 84 - AUG 84      SITE DIRECTOR, TVA, SEQUOYAH NUCLEAR PLANT

SEP 81 - APR 84      PLANT MANAGER, SEQUOYAH NUCLEAR PLANT, TVA

FEB 80 - SEP 81      POWER PLANT SUPERINTENDENT, TVA, WATTS BAR NUCLEAR PLANT

JUL 76 - FEB 80      ASSISTANT POWER PLANT SUPERINTENDENT, TVA, WATTS BAR NUCLEAR PLANT

NOV 69 - JUL 76      POWER PLANT RESULTS SUPERVISOR, SEQUOYAH NUCLEAR PLANT, TVA

SEP 67 - NOV 69      NUCLEAR ENGINEER (PROGRESSIVE ADVANCEMENTS), DIVISION OF POWER PRODUCTION, TVA, CHATTANOOGA

AUG 67 - JUL 82      U.S. NAVY RESERVE, CAPTAIN (RETIRED)

JUN 60 - AUG 67      U.S. NAVY, ACTIVE DUTY. LIEUTENANT

FEB 64 - AUG 65      U.S. NAVY ADVANCED NUCLEAR POWER SCHOOL AND SUBMARINE SCHOOL

**MANAGEMENT TRAINING**

MAY 85 - FITNESS FOR DUTY--DRUG AWARENESS

MAY 84 - MANAGING FOR EXCELLENCE, INPO

JAN 84 - EEO TRAINING FOR SUPERVISORY PERSONNEL

SEP 83 - DRUG AWARENESS FOR SUPERVISORS

APR 83 - STRESS MANAGEMENT

MAY 83 - INPO PLANT MANAGERS WORKSHOP - ATLANTA, INPO

MAR 83 - MANAGING MANAGEMENT TIME

MAR 80 - MANAGEMENT ORIENTATION OF TVA HEALTH AND SAFETY PROGRAM

DEC 79 - FUNCTIONAL COORDINATION

- MAR 78 - SUPERVISOR TRAINING - EMPLOYMENT OF THE HANDICAPPED
- MAY 77 - MODERN MANAGEMENT
- APR 77 - CLASSROOM INSTRUCTION IN THE ART OF DICTATION
- JUN 70 - BASIC SUPERVISORY TRAINING COURSE

#### TECHNICAL TRAINING

- OCT 84 - EMERGENCY PLAN, EOF DIRECTOR TRAINING
- MAY 84 - RADIOLOGICAL EMERGENCY PLAN TECHNICAL SUPPORT CENTER TRAINING
- FEB 84 - IP-5 EMERGENCY PREPAREDNESS PROTECTIVE ACTION GUIDES
- SEP 83 - MITIGATING CORE DAMAGE TRAINING
- MAY 83 - WESTINGHOUSE OPERATING PLANT MANAGERS SYMPOSIUM, WESTINGHOUSE
- JAN 83 - RADIOLOGICAL EMERGENCY PLAN TRAINING
- DEC 81 - RADIOLOGICAL EMERGENCY PLAN TRAINING
- JUN 78 - ONSITE LECTURE PROGRAM - OPERATOR TRAINING PROGRAM
- MAR 78 - WBN - 135-HOUR PLANT SYSTEM FAMILIARIZATION COURSE
- JUL 76 - QA TRAINING SERIES QAT-2A
- MAR 76 - APPLICATION AND LIMITATIONS OF NONDESTRUCTIVE TESTING
- SEP 74 - RADIOLOGICAL HYGIENE
- MAY 72 - WESTINGHOUSE P250 PROGRAMMING AND ORIENTATION, WESTINGHOUSE COMPUTER AND INSTRUMENTATION DIVISION
- AUG 69 - WATER-COOLED NUCLEAR POWER REACTOR SAFETY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY
- SEP 68 - BWR STATION NUCLEAR ENGINEERING, GENERAL ELECTRIC COMPANY
- OCT 67 - ENGINEER TRAINING PROGRAM - OFFICE OF POWER, TVA (ROTATION PHASE)

#### SEMINARS AND CONFERENCES

- MAY 84 - PRESENTATION AT WESTINGHOUSE FUEL PLANT
- JUL 83 - CURRENT ECONOMIC CONDITIONS -- HOW WE GOT HERE, WHERE WE ARE GOING, AUBURN UNIVERSITY
- JUL 83 - MANAGING IN AN ENVIRONMENT OF NEGATIVE ATTITUDES, AUBURN UNIVERSITY

MAR 83 - PROVIDE RESULTS OF STEAM GENERATOR OWNERS GROUP-PLANT MANAGERS/SUPERINTENDENTS

MAR 83 - STEAM GENERATOR SEMINAR FOR PLANT MANAGERS, EPRI

DEC 70 - NUCLEAR PLANT LIQUIDS SEMINAR, NUCLEAR UTILITIES SERVICES CORP

EDUCATION

1960 B.A. CHEMISTRY, UNIVERSITY OF NORTH CAROLINA

PUBLICATIONS, AWARDS AND/OR PAPERS PRESENTED (WORK RELATED)

MAY 84 - PRESENTATION AT WESTINGHOUSE FUEL PLANT

LICENSES/CERTIFICATES

CAREER HIGHLIGHTS

- o DIRECTED THE DESIGN, CONSTRUCTION, AND OPERATIONAL ACTIVITIES THAT RESULTED IN THE LICENSING AND COMMERCIAL OPERATION OF THE WOLF CREEK GENERATING STATION.
- o SUCCESSFULLY MANAGED SEQUOYAH NUCLEAR PLANT AS PLANT MANAGER AND SITE DIRECTOR SHOWING CONTINUAL IMPROVEMENTS IN ALL PARAMETERS FROM 1981 THROUGH 1984. THIS PERIOD INCLUDED THE FINAL PREOPERATIONAL TESTING, STARTUP TESTING, AND COMMERCIAL OPERATION OF UNITS 1 AND 2.
- o SERVED AS PLANT MANAGER OF WATTS BAR NUCLEAR PLANT DURING INITIAL OPERATIONAL STAFFING AND EARLY PREOPERATIONAL TESTING.
- o AS NAVAL RESERVE OFFICER, HELD POSITIONS OF INCREASING RESPONSIBILITY INCLUDING COMMAND OF THREE DIFFERENT UNITS BEFORE RETIRING WITH THE RANK OF CAPTAIN.

ASSISTANT MANAGER, POWER AND ENGINEERING (NUCLEAR)  
JAMES R. DURALL

WORK EXPERIENCE

JUL 85 - PRESENT	ASSISTANT MANAGER, POWER AND ENGINEERING (NUCLEAR), TVA, CHATTANOOGA
OCT 84 - JUL 85	ASSISTANT MANAGER, POWER AND ENGINEERING, TVA, CHATTANOOGA
JUN 78 - OCT 84	ASSISTANT MANAGER, OFFICE OF POWER, TVA, CHATTANOOGA
FEB 74 - JUN 78	CHIEF, FINANCIAL PLANNING STAFF, OFFICE OF POWER, TVA, CHATTANOOGA
AUG 67 - FEB 74	BUDGET ANALYST, OFFICE OF PLANNING AND BUDGET, TVA, KNOXVILLE
MAR 63 - AUG 67	CIVIL ENGINEER, ENGINEERING DESIGN, TVA, KNOXVILLE
SEP 61 - MAR 63	CIVIL ENGINEER, DIVISION OF CONSTRUCTION, PARADISE STEAM PLANT, TVA, KNOXVILLE

MANAGEMENT TRAINING

FEB 83	WHAT YOU ARE IS . . . MANAGEMENT DEVELOPMENT FILM
MAY 74	FINANCIAL MANAGEMENT FOR EXECUTIVES, HARVARD BUSINESS SCHOOL, HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
APR 67	STANFORD UNIVERSITY, PLANNING-PROGRAMMING-BUDGETING SYSTEMS

TECHNICAL TRAINING

APR 65	FORTRAN IV, ADVANCED COMPUTER PROGRAMMING LANGUAGE, UNIVERSITY OF TENNESSEE, KNOXVILLE
MAY 62	NEW AISC - SPECIFICATIONS ON STRUCTURAL STEEL, VANDERBILT UNIVERSITY

SEMINARS AND CONFERENCES

NOV 71	U.S. CIVIL SERVICE SEMINAR - INTERGOVERNMENTAL PROGRAMS AND PROBLEMS
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EDUCATION

- 1958 B.S. CIVIL ENGINEERING, UNIVERSITY OF KENTUCKY
- 1967 M.S. ENGINEERING SCIENCE, STANFORD UNIVERSITY

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

- o MEMBER, BOARD OF DIRECTORS, NUCLEAR MUTUAL INSURANCE, LIMITED, A BERMUDA CORPORATION ORGANIZED BY NUCLEAR UTILITIES TO INSURE OPERATING RISKS, 1980 TO PRESENT.
- o MEMBER, EXECUTIVE COMMITTEE, BOARD OF DIRECTORS, NUCLEAR MUTUAL INSURANCE, LIMITED, 1981 TO PRESENT.
- o MEMBER, BOARD OF DIRECTORS, NUCLEAR ELECTRIC INSURANCE, LIMITED, A RELATED BERMUDA-BASED CORPORATION SPONSORED BY NUCLEAR UTILITIES TO INSURE RISK OF NUCLEAR OPERATIONS, 1981 TO PRESENT.

LICENSES/CERTIFICATES

- 1962 REGISTERED PROFESSIONAL ENGINEER, STATE OF KENTUCKY

CAREER HIGHLIGHTS

- o RESPONSIBLE FOR THE INSTITUTION AND DEVELOPMENT OF THE MONTHLY TOP MANAGEMENT MEETING, WHICH IS USED TO REVIEW AND CONTROL OPERATING AND MAINTENANCE COSTS IN THE TVA POWER SYSTEM.
- o ACTIVELY PROMOTED THE INSTITUTION OF THE OWNER/OPERATOR CONCEPT, WHICH IS NOW BEING USED TO ESTABLISH CONTRACTUAL RELATIONSHIP BETWEEN USERS AND PROVIDERS OF ENGINEERING AND CONSTRUCTION SERVICES WITHIN POWER AND ENGINEERING.
- o RESPONSIBLE FOR MANAGEMENT OF MORE THAN \$15 BILLION IN TVA BORROWINGS DURING THE HEIGHT OF ITS NUCLEAR CONSTRUCTION PROGRAM AS WELL AS MANAGEMENT OF NUCLEAR OPERATING RISK AND OTHER FINANCIAL MATTERS OF THE TVA POWER SYSTEM.
- o DEVELOPED AND IMPLEMENTED THE FINANCIAL PLAN FOR HANDLING THE FINANCIAL AND RATE IMPACT OF THE DEFERRAL AND CANCELLATION OF EIGHT NUCLEAR GENERATING UNITS UNDER CONSTRUCTION, PRINCIPALLY CONSISTING OF THE WRITEOFF OF \$4.6 BILLION INVESTED WITHOUT "RATE SHOCK" CONSUMER IMPACT.
- o DEVELOPED A COST CONTROL PROGRAM AND A SIMPLIFIED ORGANIZATIONAL STRUCTURE IN THE TVA POWER SYSTEM THAT RESULTED IN REDUCTIONS IN TOTAL MANPOWER NEEDS FROM 19,000 IN 1982 TO 16,000 IN 1984 THROUGH IMPROVED DECISION-MAKING AND OPERATIONAL ACCOUNTABILITY.

MANAGER, NUCLEAR LICENSING  
JAMES W. HUFHAM

WORK EXPERIENCE

OCT 85 - PRESENT           MANAGER, NUCLEAR LICENSING, POWER &  
ENGINEERING (NUCLEAR), TVA, CHATTANOOGA

APR 85 - PRESENT           MANAGER, LICENSING AND RISK PROTECTION,  
POWER AND ENGINEERING (NUCLEAR), TVA,  
CHATTANOOGA

JUL 81 - APR 85            BRANCH CHIEF, DIVISION OF NUCLEAR POWER,  
TVA, CHATTANOOGA

NOV 79 - JUL 81           ASSISTANT TO THE DIRECTOR, DIVISION OF  
NUCLEAR POWER, TVA, CHATTANOOGA

JAN 78 - NOV 79           CHIEF, ENVIRONMENTAL AND SPECIAL PROJECTS  
SECTION, U.S. NUCLEAR REGULATORY COMMISSION  
(NRC)

SEP 74 - JAN 78           INSPECTOR, U.S. NRC

NOV 68 - SEP 74           RADIATION PHYSICIST, STATE OF ALABAMA

MANAGEMENT TRAINING

SEP 83 - COMPREHENSIVE REVIEW OF RISK MANAGEMENT CONCEPTS, RISK AND  
INSURANCE MANAGEMENT SOCIETY, INC.

JUL 83 - CURRENT ECONOMIC CONDITIONS--HOW WE GOT HERE, WHERE WE ARE  
GOING

JUL 83 - MANAGING IN AN ENVIRONMENT OF NEGATIVE ATTITUDES

JUN 83 - MANAGING MANAGEMENT TIME

APR 83 - LEGAL CONSULTATION WITH SASSER'S CONSULTING SERVICES

FEB 83 - WHAT YOU ARE IS. . . MANAGEMENT DEVELOPMENT FILM

OCT 81 - SUBCOMMITTEE PRESENTATION ON EMERGENCY PREPAREDNESS

NOV 79 - SUPERVISOR TRAINING, NRC

TECHNICAL TRAINING

JUN 83 - ALABAMA OFFICIALS ON RADIOLOGICAL EMERGENCY PLANNING

JUN 83 - PUBLIC HEALTH SERVICE SHORT COURSES

MAR 75 - BWR FUNDAMENTALS TRAINING COURSE

DEC 74 - PWR FUNDAMENTALS TRAINING COURSE

OCT 74 - BWR/PWR RADWASTE SYSTEMS COURSE

SEMINARS AND CONFERENCES

NOV 82 - STATE PUBLIC HEALTH AND CIVIL DEFENSE MEETING, MONTGOMERY, ALABAMA

MAY 81 - DEPARTMENT OF ENERGY MEETING

OCT 80 - RADIATION EXPOSURE SEMINAR, WESTINGHOUSE

EDUCATION

1968 B.S. CHEMISTRY, UNIVERSITY OF ALABAMA

1972 M.S. RADIOLOGICAL HEALTH PHYSICS, UNIVERSITY OF MICHIGAN

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

NOV 81 - SUBCOMMITTEE PRESENTATION ON EMERGENCY PREPAREDNESS.

APR 81 - PRESENTATION FOR TVA/WESTINGHOUSE, ALARA DEMONSTRATION, DEPARTMENT OF ENERGY.

JUN 79 - PRESENTATION FOR NRC RESPONSE TO TMI, ADVANCED MEETING SEMINAR.

1979 U.S. NRC - HIGH QUALITY AWARD - PERFORMANCE DURING THE TMI INCIDENT.

1976 U.S. NRC - HIGH QUALITY AWARD - PERFORMANCE DURING THE BROWNS FERRY FIRE RECOVERY AND RESTART.

LICENSES/CERTIFICATES

1975 CERTIFICATE OF APPRECIATION FROM U.S. NRC - INVESTIGATING EVENTS RELATING TO THE BROWNS FERRY NUCLEAR PLANT FIRE.

CAREER HIGHLIGHTS

- o TMI - RESPONSE AND SUPPORT (1979).
- o RECOVERY AND RESTART OF THE BROWNS FERRY NUCLEAR PLANT (BFN) AT BFN (1976).
- o INVESTIGATION OF BFN FIRE AT THE BFN (1975).
- o STEAM GENERATOR DECONTAMINATION PROJECT AT THE R.E. GINNA NUCLEAR PLANT (1972).

MANAGER, QUALITY ASSURANCE  
ROBERT J. MULLIN

WORK EXPERIENCE

OCT 84 - PRESENT           DIRECTOR, DIVISION OF QUALITY ASSURANCE,  
TVA, CHATTANOOGA

AUG 81 - OCT 84           ASSISTANT DIRECTOR, DIVISION OF FUELS  
(NUCLEAR), TVA, CHATTANOOGA

DEC 79 - AUG 81           CHIEF, URANIUM ADMINISTRATION BRANCH,  
DIVISION OF FUELS, TVA, CHATTANOOGA

APR 78 - DEC 79           CHIEF, NUCLEAR FUELS BRANCH, DIVISION OF  
POWER RESOURCE PLANNING, TVA, CHATTANOOGA

DEC 75 - APR 78           ASSISTANT CHIEF, NUCLEAR FUELS ENGINEERING  
BRANCH, DIVISION OF POWER RESOURCE  
PLANNING, TVA, CHATTANOOGA

JAN 73 - DEC 75           SUPERVISOR, NUCLEAR FUELS ENGINEERING  
SECTION, DIVISION OF POWER RESOURCE  
PLANNING, TVA, CHATTANOOGA

SEP 68 - JAN 73           SECTION SUPERVISOR, DIVISION OF POWER  
PLANNING AND ENGINEERING (NUCLEAR), TVA,  
CHATTANOOGA

JUN 64 - SEP 68           NUCLEAR ENGINEER/MANAGER, REACTOR  
OPERATIONS DIVISION, ARGONNE NATIONAL  
LABORATORY, ARGONNE, ILLINOIS

JUN 59 - JUN 62           U.S. NAVY

MANAGEMENT TRAINING

NOV 83   MANAGING INTERPERSONAL RELATIONS

MAR 83   EEO/AFFIRMATIVE ACTION MANAGEMENT TRAINING: MANAGING IN A  
MULTICULTURAL ORGANIZATION

NOV 82   MANAGING MANAGEMENT TIME, HAL BURROWS, INC.

AUG 82   MANAGEMENT DEVELOPMENT PROGRAM: STAFFING

JUN 82   NEGOTIATIONS SKILLS WORKSHOP

MAR 82   MANAGEMENT DEVELOPMENT PROGRAM: PLANNING AND ORGANIZING

JUN 74 BASIC MANAGEMENT SKILLS COURSE

DEC 68 REVIEW OF PRINCIPLES OF ENGINEERING ECONOMY

TECHNICAL TRAINING

NOV 68 POWER PLANNING AND ENGINEERING

SEMINARS AND CONFERENCES

OCT 78 NINTH INTERNATIONAL UTILITY NUCLEAR FUEL PERFORMANCE CONFERENCE

SEP 77 EIGHTH ANNUAL UTILITY NUCLEAR FUEL PERFORMANCE CONFERENCE

SEP 76 SEVENTH ANNUAL UTILITY NUCLEAR FUEL PERFORMANCE CONFERENCE

DEC 75 PLANNING SEMINAR ON ORGANIZATON CHANGE

EDUCATION

1959 B.S. CHEMICAL ENGINEERING, ILLINOIS INSTITUTE OF TECHNOLOGY

1964 M.S. NUCLEAR ENGINEERING, UNIVERSITY OF ILLINOIS

1973 MBA, UNIVERSITY OF TENNESSEE

COURSEWORK COMPLETED FOR Ph.D

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

1974-86 EPRI NUCLEAR MATERIALS AND SYSTEMS TASK FORCE

1976-80 TVA'S NUCLEAR SAFETY REVIEW BOARD

LICENSES/CERTIFICATES

1968 REGISTERED PROFESSIONAL ENGINEER

CAREER HIGHLIGHTS

- o MAINTAINS A NUCLEAR QUALITY ASSURANCE PROGRAM THAT MEETS REGULATORY REQUIREMENTS; DEVELOPS AND PROMULGATES QUALITY PROGRAM POLICIES AND REQUIREMENTS FOR NUCLEAR ACTIVITIES, INCLUDING DESIGN, CONSTRUCTION, AND OPERATION; INTERPRETS REGULATORY REQUIREMENTS FOR QUALITY ASSURANCE; PROVIDES QUALITY ENGINEERING, QUALITY CONTROL, AND SURVEILLANCE ACTIVITIES IN SUPPORT OF THE SITE DIRECTOR AT OPERATING PLANTS; AND MAINTAINS A COMPREHENSIVE AUDIT PROGRAM IN COMPLIANCE WITH NUCLEAR REGULATORY REQUIREMENTS COVERING DESIGN, CONSTRUCTION, OPERATION, MODIFICATIONS, SUPPORT ACTIVITIES, AND SUPPLIERS (OCT 84 - PRESENT).

- o UNITED STATES NAVAL RESERVE - PRESENTLY A CAPTAIN AND ASSIGNED AS COMMANDING OFFICER OF RADIOLOGICAL/CHEMICAL WARFARE DEFENSE EMERGENCY RESPONSE TEAM--ATLANTIC.
- o ASSISTED THE FUELS DIVISION DIRECTOR IN FORMULATION, ADMINISTRATION, AND COORDINATION OF DIVISION POLICIES AND PROGRAMS ASSOCIATED WITH ANNUAL NUCLEAR FUEL AND COAL EXPENDITURES TOTALING APPROXIMATELY \$1.3 BILLION (1981-1984).
- o PARTICIPATED IN NEGOTIATIONS AND ADMINISTRATION OF CONTRACTUAL ARRANGEMENTS FOR PROCURING AND PROCESSING NUCLEAR RAW MATERIALS AND PERFORMANCE OF CONTRACTS FOR EXPLORATION, MINING, AND MILLING SERVICES REQUIRED TO PRODUCE URANIUM CONCENTRATES FROM TVA-OWNED PROPERTIES (1979-1981).
- o STAFFED AND MANAGED A NUCLEAR FUEL AND CORE ANALYSIS SECTION WHICH ULTIMATELY INCLUDED 13 ENGINEERS OF VARIOUS DISCIPLINES RESPONSIBLE FOR THE TECHNICAL ASPECTS OF NUCLEAR FUEL PLANNING AND UTILIZATION (1968-1975).
- o FACILITY SUPERINTENDENT OF JUGGERNAUT RESEARCH REACTOR (ARGONNE).
- o ASSISTANT SUPERINTENDENT (ENGINEERING) AT THE EXPERIMENTAL BOILING WATER REACTOR DURING THE PLUTONIUM RECYCLE EXPERIMENT (ARGONNE).

MANAGER, HUMAN RESOURCES  
MARILYN E. TAYLOR

WORK EXPERIENCE

OCT 85 - PRESENT                   MANAGER, HUMAN RESOURCES, POWER AND  
ENGINEERING (NUCLEAR), TVA, CHATTANOOGA

AUG 79 - OCT 85                   DIRECTOR, DIVISION OF PERSONNEL, TVA,  
KNOXVILLE

AUG 74 - AUG 79                   MANAGER, INDUSTRIAL RELATIONS, KAISER  
SAND AND GRAVEL COMPANY, PLEASANTON,  
CALIFORNIA

DEC 72 - AUG 74                   EMPLOYEE DEVELOPMENT COORDINATOR,  
KAISER INDUSTRIES, OAKLAND, CALIFORNIA

MAY 68 - DEC 72                   TRAINING SUPERVISOR, KAISER INDUSTRIES,  
OAKLAND, CALIFORNIA

JUN 65 - MAY 68                   EMPLOYMENT INTERVIEWER, KAISER  
INDUSTRIES, OAKLAND, CALIFORNIA

MANAGEMENT TRAINING

NOV 84 - RACE RELATIONS TRAINING

APR 84 - TEAM BUILDING--THREE SESSIONS  
SEP 85

JUL 84 - MANAGING ORGANIZATION CHANGE

APR 83 - WHAT YOU ARE IS . . . MANAGEMENT DEVELOPMENT FILM

FEB 83 - MANAGING GROWTH RESOURCES

MAY 82 - MANAGING INTERPERSONAL RELATIONS

FEB 81 - EFFECTIVE USE OF COMPUTER RESOURCES

TECHNICAL TRAINING

N/A

SEMINARS AND CONFERENCES

NOV 84 - HUMAN RESOURCES PLANNING CONFERENCE

SEP 83 - HUMAN RESOURCES TRENDS FOR THE 90s

AUG/83 - TVPPA PERSONNEL MEETING  
SEP

AUG 83 - QUALITY AND PRODUCTIVITY IN TENNESSEE

AUG 82 - JAPANESE METHODS FOR PRODUCTIVITY AND QUALITY

EDUCATION

1960 WOODLAND HIGH SCHOOL, WOODLAND, CALIFORNIA

1961-62 SACRAMENTO CITY COLLEGE, SACRAMENTO, CALIFORNIA

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

FREQUENT SPEAKER AT SEMINARS, CONFERENCES, AND MEETINGS RELATING TO HUMAN RESOURCE MANAGEMENT ISSUES AND AFFIRMATIVE ACTION ISSUES THROUGHOUT THE UNITED STATES.

LICENSES/CERTIFICATES

1973 ADULT EDUCATION TEACHING CREDENTIAL, SACRAMENTO, CALIFORNIA

CAREER HIGHLIGHTS

- o SERVES AS HUMAN RESOURCE MANAGEMENT ADVISOR TO THE POWER AND ENGINEERING (NUCLEAR) MANAGEMENT TEAM.
- o DIRECTS THE OVERALL PERSONNEL PROGRAM FOR TVA.
- o ACTS AS ADVISOR TO THE MANAGER OF THE OFFICE OF EMPLOYEE RELATIONS AND THE GENERAL MANAGER ON HUMAN RESOURCE MANAGEMENT ISSUES.
- o RESPONSIBLE FOR THE INSTITUTION OF THE MANAGEMENT DEVELOPMENT PROGRAM TVA-WIDE.
- o REPRESENTS TVA OUTSIDE THE AGENCY ON HUMAN RESOURCE MANAGEMENT ISSUES.
- o SERVED AS SENIOR INDUSTRIAL RELATIONS/LABOR NEGOTIATOR.

MANAGER, OFFICE OF ENGINEERING  
ROBERT W. CANTRELL

WORK EXPERIENCE

JAN 84 - PRESENT	MANAGER, OFFICE OF ENGINEERING, TVA, KNOXVILLE
FEB 82 - JAN 84	ASSISTANT MANAGER, OFFICE OF ENGINEERING, TVA, KNOXVILLE
MAY 80 - FEB 82	DESIGN PROJECT MANAGER, SEQUOYAH AND WATTS BAR DESIGN PROJECTS, TVA, KNOXVILLE
SEP 73 - MAY 80	GROUP HEAD, INSTRUMENTATION AND CONTROLS, DIVISION OF ENGINEERING DESIGN AND CONSTRUCTION, TVA, KNOXVILLE
JUN 70 - SEP 73	STAFF SPECIALIST, INSTRUMENTATION AND CONTROLS, DIVISION OF ENGINEERING DESIGN, TVA, KNOXVILLE
JUN 68 - JUN 70	INSTRUMENTATION AND CONTROLS DESIGN SECTION SUPERVISOR, DIVISION OF ENGINEERING DESIGN, TVA, KNOXVILLE
JUL 67 - JUN 68	INSTRUMENTATIONS AND CONTROLS DESIGN SECTION SUPERVISOR, DIVISION OF ENGINEERING DESIGN, TVA, KNOXVILLE
JUL 54 - JUL 67	ELECTRICAL DESIGN BRANCH (PROGRESSIVE ADVANCEMENTS), DIVISION OF DESIGN, TVA, KNOXVILLE
1961 - 1962	U.S. AIR FORCE, PILOT
1955 - 1958	U.S. AIR FORCE, PILOT

MANAGEMENT TRAINING

DEC 81 - SALARY POLICY MERIT PAY PLAN  
AUG 80 - GOAL SETTING, MANAGEMENT APPRAISAL SYSTEM  
FEB 80 - INTERACTION MANAGEMENT  
NOV 82 - HEALTH AND SAFETY, SERIOUS ACCIDENT INVESTIGATION

- JUN 82 - ORIENTATION FOR ENGINEERING DESIGN MANAGEMENT
- JAN 79 - MANAGEMENT CONCEPTS OF DISCRIMINATION
- APR 80 - HEALTH AND SAFETY FOR FEDERAL EMPLOYEES
- MAR 80 - PERFORMANCE APPRAISAL SYSTEM
- APR 77 - AFFIRMATIVE ACTION, EMPLOYING HANDICAPPED
- FEB 76 - PROJECT CONTROL

TECHNICAL TRAINING

- MAR 83 - RADIOLOGICAL HYGIENE AND SECURITY, RETRAINING
- DEC 78 - ORIENTATION TO QUALITY ASSURANCE

SEMINARS AND CONFERENCES

- OCT 85 - NMA/TVA FALL MANAGEMENT CONFERENCE
- OCT 85 - THE 1985 JOINT POWER GENERATION CONFERENCE, MILWAUKEE, WISCONSIN
- JUL 85 - IEEE 1985 SUMMER MEETING, VANCOUVER, B.C., CANADA
- APR 85 - AMERICAN POWER CONFERENCE, CHICAGO, ILLINOIS
- FEB 85 - IEEE 1985 WINTER MEETING, NEW YORK, NEW YORK
- OCT 84 - JOINT POWER GENERATION CONFERENCE, TORONTO, CANADA
- JUL 84 - IEEE 1984 SUMMER MEETING, SEATTLE, WASHINGTON
- FEB 84 - IEEE 1984 WINTER MEETING, DALLAS, TEXAS

EDUCATION

- 1954 B.S. ELECTRICAL ENGINEERING, UNIVERSITY OF TENNESSEE

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

- 1985 WAS ELECTED TO TAU BETA PI ASSOCIATION AS AN EMINENT ENGINEER BY THE TENNESSEE ALPHA CHAPTER IN MARCH 1985.
- 1985 MANAGER OF THE YEAR AWARD BY NATIONAL MANAGEMENT ASSOCIATION, KNOXVILLE CHAPTER
- 1977 DEVELOPED THE FOLLOWING IEEE NUCLEAR STANDARDS:
  - IEEE 379 - "APPLICATION OF THE SINGLE FAILURE CRITERION TO NUCLEAR POWER GENERATING STATION SAFETY SYSTEMS"
- 1977 IEEE 381 - "TYPE TEST OF MODULES USED IN NUCLEAR POWER PLANT PROTECTION SYSTEMS"

- 1974 IEEE 494 - "IEEE STANDARD METHOD FOR IDENTIFICATION OF DOCUMENTS RELATED TO CLASS IE EQUIPMENT AND SYSTEMS FOR NUCLEAR POWER GENERATING STATIONS"
- 1974 COAUTHORED WITH R. R. AUSTIN A PAPER ENTITLED "APPLICATION OF GENERATOR LOAD BREAK SWITCHES AT BELLEFONTE NUCLEAR PLANT" AND PRESENTED THE PAPER AT THE 1974 IEEE WINTER POWER MEETING IN NEW YORK.

#### LICENSES/CERTIFICATES

- 1986-87 CHAIRMAN OF IEEE POWER GENERATION COMMITTEE
- 1984-85 VICE CHAIRMAN OF IEEE POWER GENERATION COMMITTEE
- 1982-83 SECRETARY OF IEEE POWER GENERATION COMMITTEE
- 1980-83 CHAIRMAN OF IEEE NUCLEAR POWER SUBCOMMITTEE
- 1979-81& IEEE POWER GENERATION COMMITTEE STANDARDS VOTING  
1984- SUBCOMMITTEE (BALLOTS ALL POWER GENERATION COMMITTEE  
PRESENT STANDARDS)
- 1979 REGISTERED PROFESSIONAL ENGINEER, STATE OF TENNESSEE
- 1979 TENNESSEE SOCIETY OF PROFESSIONAL ENGINEERS (TSPE)
- 1974 NATIONAL MANAGEMENT ASSOCIATION (NMA)
- 1958 INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

#### CAREER HIGHLIGHTS

- o PROGRESSED FROM ENTRANCE LEVEL ENGINEER WITH TVA TO POSITIONS AS SECTION SUPERVISOR, PRINCIPAL ELECTRICAL ENGINEER, HEAD ELECTRICAL ENGINEER, DESIGN PROJECT MANAGER FOR SEQUOYAH AND WATTS BAR NUCLEAR PLANTS, ASSISTANT MANAGER OF ENGINEERING DESIGN, TO CURRENT POSITION AS MANAGER OF ENGINEERING.
- o MANAGES THE ENGINEERING AND DESIGN EFFORT FOR ALL TVA POWER GENERATING STATIONS. HAS FULL RESPONSIBILITY TO DIRECT THE ACTIVITIES OF A LARGE ENGINEERING ORGANIZATION HAVING A WIDE RANGE OF PROJECTS BUT WITH THE MAJORITY OF THE WORK RELATED TO POWER GENERATION FACILITIES (\$195 MILLION BUDGET AND 2600 EMPLOYEES).
- o WAS TECHNICAL MANAGER FOR THE ELECTRICAL DESIGN EFFORT FOR BELLEFONTE NUCLEAR PLANT LICENSING STARTUP.
- o WAS GROUP HEAD RESPONSIBLE FOR INSTRUMENTS, CONTROL, AND CONCEPTUAL DESIGN IN TVA'S NUCLEAR FACILITIES AND INITIATED ADVANCED CONTROL ROOM TECHNIQUES ON BELLEFONTE AND LATER NUCLEAR PLANTS.

- o WAS PROJECT MANAGER FOR WATTS BAR NUCLEAR PLANT AND ALSO PROJECT MANAGER DURING STARTUP OF SEQUOYAH NUCLEAR PLANT UNIT 2 (\$17 MILLION BUDGET AND 260 EMPLOYEES).
- o WAS HEAVILY INVOLVED WITH CONTROL SYSTEMS OF TVA'S SUPERCRITICAL BOILERS FOR BULL RUN, PARADISE UNIT 3, AND COLBERT STEAM PLANTS.

MANAGER, OFFICE OF CONSTRUCTION  
C. BONINE, JR.

WORK EXPERIENCE

JAN 83 - PRESENT	MANAGER, OFFICE OF CONSTRUCTION, TVA, KNOXVILLE
AUG 79 - JAN 83	MANAGER, OFFICE OF MANAGEMENT SERVICES, TVA, KNOXVILLE
FEB 79 - AUG 79	ACTING DIRECTOR, UNION-MANAGEMENT RELATIONS STAFF, TVA, KNOXVILLE
JUL 72 - FEB 79	ASSISTANT DIRECTOR, DIVISION OF CONSTRUCTION, TVA, KNOXVILLE
MAR 69 - JUL 72	PROJECT MANAGER, DIVISION OF CONSTRUCTION, TVA, SEQUOYAH NUCLEAR PLANT
SEP 68 - MAR 69	ASSISTANT TO THE DIRECTOR, DIVISION OF CONSTRUCTION, TVA, KNOXVILLE
MAR 66 - SEP 68	CONSTRUCTION ENGINEER, DIVISION OF CONSTRUCTION, TVA, KNOXVILLE
APR 50 - MAR 66	CIVIL ENGINEER, DIVISION OF CONSTRUCTION, TVA, VARIOUS STEAM PLANTS

MANAGEMENT TRAINING

11TH SUMMER INSTITUTE FOR FEDERAL EXECUTIVES, UNIVERSITY OF  
WISCONSIN, THE DYNAMICS OF ADMINISTRATIVE HUMAN RELATIONS

PROJECT PLANNING AND MANAGEMENT

PROJECT PLANNING BY THE CPM METHOD

TECHNICAL TRAINING

THE PRINCIPLES OF NUCLEAR REACTOR ENGINEERING, TVAEA WITH OAK RIDGE  
NATIONAL LABORATORY

TUNNEL AND SHAFT EXCAVATION, UNIVERSITY OF MINNESOTA

THE NEW GENERATOR OF POWER, THE RTGR, GULF GENERAL ATOMICS

PRESPLIT BLASTING, ATLAS POWDER COMPANY

SEMINARS AND CONFERENCES

JAPANESE METHODS FOR QUALITY AND PRODUCTIVITY

EDUCATION

1950 B.S. CIVIL ENGINEERING, UNIVERSITY OF TENNESSEE

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

LICENSES/CERTIFICATES

CAREER HIGHLIGHTS

- o PROJECT MANAGER FOR THE CONSTRUCTION OF TVA'S SEQUOYAH NUCLEAR PLANT - 2 UNITS - 2442 MW - COST OF \$1.7 BILLION AND 2500 EMPLOYEES.
- o ASSISTANT DIRECTOR OF TVA'S CONSTRUCTION DIVISION WITH THE RESPONSIBILITY FOR MAJOR POWER PROJECTS. AT THE TIME TVA HAD SEVEN NUCLEAR PLANTS UNDER CONSTRUCTION WITH 17 UNITS, ONE FOSSIL PLANT WITH TWO UNITS, AND ONE PUMPED STORAGE PLANT WITH FOUR UNITS. BUDGETED EXPENDITURES WERE APPROXIMATELY \$1.5 BILLION AND DIVISION EMPLOYMENT ABOUT 24,000 EMPLOYEES.
- o MANAGER IN CHARGE OF TVA'S LABOR RELATIONS STAFF WHEN TVA HAD 49,900 EMPLOYEES.
- o MANAGER OF TVA'S CORPORATE SERVICES ORGANIZATION CONSISTING OF DIVISIONS OF MEDICAL SERVICES, MANAGEMENT SYSTEMS, PROPERTY AND SERVICES, FINANCE, LABOR RELATIONS, PERSONNEL, OCCUPATIONAL HEALTH AND SAFETY (INCLUDING HEALTH PHYSICS), PUBLIC SAFETY, AND PURCHASING.
- o MANAGER OF TVA'S CONSTRUCTION PROGRAM CONSISTING OF CONSTRUCTION OF TWO NUCLEAR PLANTS HAVING FOUR UNITS. TOTAL CONSTRUCTION EXPENDITURES OF \$575.2 MILLION AND EMPLOYING 10,021 EMPLOYEES.

PROJECT MANAGER, BELLEFONTE NUCLEAR PLANT  
SITE DIRECTOR, BELLEFONTE NUCLEAR PLANT  
JAMES P. DARLING

WORK EXPERIENCE

OCT 85 - PRESENT SITE DIRECTOR/PROJECT MANAGER, TVA,  
BELLEFONTE NUCLEAR PLANT

JUL 85 - OCT 85 ASSISTANT MANAGER, POWER & ENGINEERING  
(NUCLEAR), TVA, CHATTANOOGA

OCT 84 - JUL 85 MANAGER, OFFICE OF NUCLEAR POWER, TVA,  
CHATTANOOGA

APR 81 - OCT 84 DEPUTY MANAGER, OFFICE OF POWER, TVA,  
CHATTANOOGA

DEC 79 - APR 81 MANAGER OF POWER ENGINEERING, OFFICE OF  
POWER, TVA, CHATTANOOGA

AUG 77 - DEC 79 DIRECTOR, DIVISION OF FUELS, TVA,  
CHATTANOOGA

MAY 77 - AUG 77 ASSISTANT DIRECTOR, DIVISION OF POWER  
RESOURCE PLANNING, TVA, CHATTANOOGA

MAR 73 - MAY 77 CHIEF, BRANCH, DIVISION OF POWER RESOURCE  
PLANNING, TVA, CHATTANOOGA

JUN 71 - MAR 73 ASSISTANT CHIEF, BRANCH, DIVISION OF POWER  
RESOURCE PLANNING, TVA, CHATTANOOGA

SEP 67 - JUN 71 POWER PROGRAM ANALYST, OFFICE OF POWER,  
TVA, CHATTANOOGA

AUG 66 - SEP 67 RESEARCH ANALYST, FINANCIAL PLANNING STAFF,  
TVA, CHATTANOOGA

DEC 65 - AUG 66 MECHANICAL ENGINEER, DIVISION OF POWER  
PRODUCTION, POWER PLANT MAINTENANCE, TVA,  
CHATTANOOGA

MAR 59 - DEC 65 POWER SUPPLY ENGINEER, DIVISION OF POWER  
SUPPLY PLANNING, TVA, CHATTANOOGA

OCT 59 - APR 60 U.S. ARMY

MANAGEMENT TRAINING

NOV 80 - MANAGING CHANGE, ORGANIZATION DEVELOPMENT RESOURCES,  
ATLANTA, GEORGIA

NOV 69 - BASIC SUPERVISORY TRAINING COURSE

MAY 61 - CORRESPONDENCE MANAGEMENT WORKSHOP TVA

TECHNICAL TRAINING

- MAY 84 - BRIEFING ON CENTRAL EMERGENCY CONTROL CENTER DIRECTOR DUTIES AND CENTER OPERATIONS
- FEB 65 - SYSTEM/360, FORTRAN IV, UPDATE OF FORTRAN II
- MAR 64 - FORTRAN
- JUN 63 - ENGINEERING PROBLEMS IN HIGH-VOLTAGE TRANSMISSION
- MAY 60 - SURGE PROGRAMMING
- OCT 59 - SURGE PROGRAMMING
- AUG 59 - ENGINEER TRAINING PROGRAM, TVA'S OFFICE OF POWER (ROTATION PHASE)

SEMINARS AND CONFERENCES

- OCT 78 - URANIUM ENRICHMENT, RESOURCES, EXPLORATION, THE MARKET, SUPPLY, AND REGULATION CONSIDERATIONS, DEPARTMENT OF ENERGY URANIUM INDUSTRY
- SEP 72 - AMERICAN LAW INSTITUTE - AMERICAN BAR INSTITUTE, PROCEDURES TO FOLLOW IN PLANNING AND DEVELOPMENT OF NUCLEAR POWER PLANTS

EDUCATION

- 1959 B.S. MECHANICAL ENGINEERING, TENNESSEE TECHNOLOGY UNIVERSITY
- 1967 M.S. INDUSTRIAL ENGINEERING, STANFORD UNIVERSITY
- 1969 MBA, UNIVERSITY OF CHATTANOOGA

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

- SEP 66 - SELECTED FOR THE MID-CAREER EDUCATIONAL PROGRAM AND
- JUN 67 SYSTEMATIC ANALYSIS, STANFORD UNIVERSITY

LICENSES/CERTIFICATES

TENNESSEE SOCIETY OF PROFESSIONAL ENGINEERS

CAREER HIGHLIGHTS

- o PLANNING THE GENERATING CAPACITY ADDITION TO THE TVA SYSTEM.
- o CENTRAL ENGINEERING ORGANIZATION.
- o FINANCIAL AND RATE PLANNING.
- o NUCLEAR PLANT PROCUREMENT, SITING, AND LICENSING.

- o NUCLEAR AND FOSSIL FUELS PLANNING AND PROCUREMENT.
- o IMPLEMENTATION OF TVA'S AIR QUALITY PROGRAM.
- o DIRECTED TVA'S NUCLEAR POWER OPERATIONS PROGRAM.
- o SERVED IN POSITIONS OF INCREASING RESPONSIBILITY IN THE TENNESSEE ARMY NATIONAL GUARD. COMMANDED THE 1/181 FIELD ARTILLERY BATTALION. PRESENTLY SERVES AS EXECUTIVE OFFICER OF THE 196TH FIELD ARTILLERY BRIGADE.

PROJECT MANAGER, WATTS BAR NUCLEAR PLANT  
WILLIAM R. BROWN, JR.

WORK EXPERIENCE

OCT 85 - PRESENT	PROJECT MANAGER, WATTS BAR NUCLEAR PLANT, TVA
MAR 82 - OCT 85	PROJECT MANAGER, BELLEFONTE NUCLEAR PLANT, OFFICE OF ENGINEERING DESIGN AND CONSTRUCTION, TVA
FEB 80 - MAR 82	ASSISTANT MANAGER, OFFICE OF CONSTRUCTION, TVA KNOXVILLE
AUG 78 - FEB 80	CONSTRUCTION ENGINEER, DIVISION OF CONSTRUCTION, TVA, KNOXVILLE
MAR 77 - AUG 78	ASSISTANT CONSTRUCTION ENGINEER, DIVISION OF CONSTRUCTION, TVA, HARTSVILLE NUCLEAR PLANT
MAY 76 - MAR 77	SUPERVISOR, ELECTRICAL ENGINEERING UNIT, DIVISION OF CONSTRUCTION, TVA, HARTSVILLE NUCLEAR PLANT
APR 73 - MAY 76	SUPERVISOR, INSTRUMENTATION UNIT, DIVISION OF CONSTRUCTION, TVA, BROWNS FERRY NUCLEAR PLANT
JUL 70 - APR 73	ELECTRICAL ENGINEER AND INSTRUMENT ENGINEER, DIVISION OF CONSTRUCTION, TVA, BROWNS FERRY NUCLEAR PLANT
MAR 68 - JUL 70	RESEARCH ENGINEER, THE BOEING COMPANY, CAPE KENNEDY, FLORIDA
NOV 66 - FEB 68	FIELD ENGINEER, CHRSYLER CORPORATION, CAPE KENNEDY, FLORIDA
NOV 65 - NOV 66	FLIGHT TEST ENGINEER, GENERAL DYNAMICS CORPORATION, CAPE KENNEDY, FLORIDA

MANAGEMENT TRAINING

SEP 75 - SALARY POLICY PROCEJURAL TRAINING  
APR 74 - MANAGEMENT AWARENESS PROGRAM

TECHNICAL TRAINING

DEC 76 - PRIDE OVERVIEW

MAR 73 - RADIOLOGICAL HYGIENE

- QUALITY ASSURANCE TRAINING (VARIOUS YEARS)

SEMINARS AND CONFERENCES

PARTICIPANT IN PROJECT MANAGEMENT INSTITUTE (PMI) ANNUAL SYMPOSIUM

EDUCATION

1965 B.S. ELECTRICAL ENGINEERING, TENNESSEE TECHNOLOGY UNIVERSITY

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

1967 ENGINEER OF YEAR AWARD, CHRYSLER CORPORATION FOR CONTRIBUTIONS MADE TOWARD THE SUCCESSFUL LAUNCH OF APOLLO LM-1

LICENSES/CERTIFICATES

CAREER HIGHLIGHTS

- o AT BELLEFONTE NUCLEAR PLANT, WAS RESPONSIBLE FOR ESTABLISHING PROJECT SCOPE AND CHANGE CONTROL BOARD. ESTABLISHED A CREDITABLE PROJECT BUDGET AND SCHEDULE, MEETING ALL MAJOR PROJECT MILESTONES AND INITIATING WORK PLANNING AND CONTROL PROGRAM TO IMPROVE PROJECT QUALITY AND PRODUCTIVITY.
- o AT HARTSVILLE NUCLEAR PROJECT (PLANT A) WAS RESPONSIBLE FOR JOB ENGINEERING, APPROVAL OF CONSTRUCTION METHODS, AND PREPARATION OF ESTIMATES AND CONSTRUCTION SCHEDULES.
- o AS ASSISTANT MANAGER OF CONSTRUCTION, HAD ADMINISTRATIVE AND TECHNICAL RESPONSIBILITY FOR CONSTRUCTION OF ALL NUCLEAR PROJECTS.

DIRECTOR, DIVISION OF NUCLEAR SERVICES  
JOHN W. HUTTON

WORK EXPERIENCE

NOV 84 - PRESENT      DIRECTOR, DIVISION OF NUCLEAR SERVICES,  
TVA, CHATTANOOGA

DEC 82 - NOV 84      CHIEF, REACTOR ENGINEERING BRANCH, DIVISION  
OF NUCLEAR SERVICES, TVA, CHATTANOOGA

APR 80 - DEC 82      SUPERVISOR, RADWASTE GROUP, DIVISION OF  
NUCLEAR POWER, TVA, CHATTANOOGA

DEC 79 - APR 80      SUPERVISOR, RELIABILITY PROGRAMS AND  
PLANNING STAFFS, DIVISION OF NUCLEAR POWER,  
TVA, CHATTANOOGA

JAN 75 - DEC 79      NUCLEAR ENGINEER (PROGRESSIVE ADVANCEMENT),  
ASSIGNMENTS AT BROWNS FERRY NUCLEAR PLANT  
AND IN THE NUCLEAR GENERATION BRANCH,  
REACTOR ENGINEERING AND RESULTS SECTIONS,  
NUCLEAR GENERATION, TVA, CHATTANOOGA

JUN 69 - DEC 74      U.S. NAVY NUCLEAR POWER PROGRAM, LIEUTENANT.  
ENGINEERING OFFICER ON NUCLEAR SUBMARINE.

MANAGEMENT TRAINING

OCT 83    EQUAL OPPORTUNITY COMMISSION TRAINING

APR 83    MANAGING MANAGEMENT TIME

FEB 83    WHAT YOU ARE IS. . . MANAGEMENT DEVELOPMENT FILM

TECHNICAL TRAINING

JUN 84    ANNUAL EXECUTIVES SESSION BWR

OCT 82    LICENSING ISSUES SEMINAR, PITTSBURGH, WESTINGHOUSE ELECTRIC  
CORPORATION

MAR 82    RADWASTE SEMINAR, TUCSON, ARIZONA

MAY 81    RADWASTE MANAGEMENT MEETING, SOUTHERN STATE ENERGY BOARD

MAR 81    RADWASTE STORAGE MODULE LICENSING NRC

NOV 78 SHORT COURSE IN PRESSURIZED WATER REACTOR OPERATING PRINCIPLES

MAY 75 RADIOLOGICAL HYGIENE TRAINING

SEMINARS AND CONFERENCES

EDUCATION

1969 B.S. MECHANICAL ENGINEERING, VANDERBILT UNIVERSITY

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

APR 83 SOUTHEAST EXCHANGE MEETING, PRESENTED A PAPER

CAREER HIGHLIGHTS

- o AS DIRECTOR OF NUCLEAR SERVICES, IS RESPONSIBLE FOR PROVIDING NUCLEAR PLANT SUPPORT IN AREAS OF TRAINING, NUCLEAR FUEL MANAGEMENT, RADIOLOGICAL HEALTH, FIRE PROTECTION, SECURITY, EMERGENCY PREPAREDNESS, AND VARIOUS TECHNICAL MAINTENANCE AND ENGINEERING ACTIVITIES.
- o PROVIDED PLANT SUPPORT IN LICENSING, SAFETY ANALYSIS, AND RADWASTE MANAGEMENT WHILE CHIEF OF REACTOR ENGINEERING BRANCH.
- o LONG-RANGE RADWASTE PLANNING AND PROVIDING TECHNICAL SUPPORT TO NUCLEAR PLANTS.
- o REACTOR THEORY INSTRUCTOR AT U.S. NAVY NUCLEAR POWER SCHOOL.

ASSISTANT TO MANAGER, NUCLEAR OPERATIONS  
RICHARD P. DENISE

WORK EXPERIENCE

JAN 84 - PRESENT            DIRECTOR, DIVISION REACTOR SAFETY,  
REGION IV, NRC, ARLINGTON, TEXAS

DEC 83 - JAN 84            SPECIAL ASSISTANT FOR NUCLEAR REACTOR  
SAFETY, DEPARTMENT OF ENERGY, WASHINGTON,  
D.C.

DEC 80 - NOV 83            DEPUTY MANAGER, DEPARTMENT OF ENERGY,  
SAVANNAH RIVER OPERATIONS, AIKEN, SOUTH  
CAROLINA

JUN 79 - DEC 80            ASSISTANT DIRECTOR FOR REACTOR SAFETY, NRC,  
BETHESDA, MARYLAND

JUN 78 - JUN 79            ASSISTANT DIRECTOR FOR SITE TECHNOLOGY,  
NRC, BETHESDA, MARYLAND

SEP 73 - JUN 78            ASSISTANT DIRECTOR FOR SPECIAL PROJECTS,  
NRC, BETHESDA, MARYLAND

JUN 70 - SEP 73            CHIEF, REACTOR SAFETY BRANCH, U.S. ATOMIC  
ENERGY COMMISSION, GERMANTOWN, MARYLAND

SEP 66 - JUN 70            LEAD SYSTEMS ENGINEER, U.S. ATOMIC ENERGY  
COMMISSION, WASHINGTON, D.C.

MANAGEMENT TRAINING

APR 85 - ALCOHOL AND DRUG ABUSE MANAGEMENT TRAINING

DEC 80 - ADVANCED TRAINING FOR MANAGERS, DEPARTMENT OF ENERGY

APR 77 - LABOR RELATIONS FOR SUPERVISORS, NRC

JUN 76 - TRAINING FOR MANAGERS AND SUPERVISORS, NRC

TECHNICAL TRAINING

MAY 82 - ADVANCED NUCLEAR WEAPONS, DOE

JUL 81 - NUCLEAR WEAPONS ORIENTATION, DOE

JAN 80 - HEALTH PHYSICS, OAK RIDGE ASSOCIATED UNIVERSITIES

SEMINARS AND CONFERENCES

MAY 77 - IAEA CONFERENCE ON NUCLEAR POWER AND ITS FUELS CYCLE,  
SALZBURG, AUSTRIA

- OCT 76 - ANS/ENS INTERNATIONAL CONFERENCE ON FAST REACTOR SAFETY AND RELATED PHYSICS, CHICAGO, ILLINOIS
- MAR 76 - OECD 3RD SPECIALIST MEETING ON SODIUM FUEL INTERACTION IN FAST REACTORS, TOKYO, JAPAN
- NOV 75 - ANS WINTER MEETING, SAN FRANCISCO, CALIFORNIA
- APR 75 - EUROPEAN NUCLEAR CONFERENCE ON NUCLEAR ENERGY, PARIS, FRANCE
- OCT 72 - INTERNATIONAL CONFERENCE ON ENGINEERING OF FAST REACTORS FOR SAFE AND RELIABLE OPERATION, KARLSRUHE, GERMANY

EDUCATION

- 1955 B.S. NUCLEAR ENGINEERING, NORTH CAROLINA STATE UNIVERSITY
- CONTINUING EDUCATION, UNIVERSITY OF VIRGINIA

PUBLICATIONS, AWARDS, AND/OR PAPERS PRESENTED (WORK RELATED)

- OCT 72 - CONTAINMENT OF FAST BREEDER REACTORS
- APR 75 - STUDIES OF CORE DISRUPTIVE ACCIDENTS AND LICENSING ASPECTS OF FAST BREEDER REACTORS
- NOV 75 - THE EFFECTS OF BOUNDARY CONDITIONS ON VAPOR EXPLOSIONS
- MAR 76 - THE EFFECTS OF LIQUID COMPRESSIBILITY AND BOUNDARY CONDITIONS ON VAPOR EXPLOSIONS
- OCT 76 - LIQUID METAL FAST BREEDER REACTOR (LMFBR) ACCIDENT ENERGETICS AND THEIR ROLE IN LICENSING
- MAY 77 - LICENSING DECISIONS AND SAFETY RESEARCH RELATED TO LMFBR ACCIDENTS

LICENSE/CERTIFICATES

- 1962 REGISTERED PROFESSIONAL ENGINEER, VIRGINIA

CAREER HIGHLIGHTS

- o DIRECTOR, NRC TASK FORCE FOR LICENSING WOLF CREEK NUCLEAR PLANT
- o ESTABLISHMENT OF POLICY FOR NRC REACTOR SAFETY PROJECTS
- o ESTABLISHMENT OF POLICY FOR NATIONAL DEFENSE ISSUES INVOLVING PROCESSING FACILITY REQUIREMENTS AND PUBLIC ISSUES
- o INSTIGATED AND INTEGRATED POLICY MATTERS FOR LICENSING BASIS FOR LIQUID METAL FAST BREEDER REACTORS