MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 18, 1984

NUCLEAR PRODUCTION DEPARTMENT

Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-13
File 0260/L-860.0
Organization and Qualifications of Grand Gulf Management and Staff
AECM-84/0207

As requested in a March 28, 1984, telephone call from Mr. R. A. Benedict of Licensee Qualification Branch (NRC - LQB) and Mr. M. D. Houston (NRC - Project Manager), Mississippi Power & Light Company (MP&L) is providing the attached information regarding the current Grand Gulf Nuclear Station (GGNS) Unit 1 management and staff organization and qualifications. The information is provided in four attachments to address the four specific requests made by Mr. Benedict:

- Attachment 1 describes recent changes to senior corporate management, specifically the appointment of Mr. William Cavanaugh, III, as President and Chief Operating Officer, and changes made to the management structure of the Grand Gulf offsite technical support organizations.

- Attachment 2 identifies the current GGNS Unit 1 plant management organization and provides resumes of all key management personnel down to the superintendent level.

- Attachment 3 identifies all technical advisor positions in the Unit 1 operations and support organization and provides resumes of all persons currently assigned to these advisory positions.

- Attachment 4 provides resumes of current Unit 1 shift superintendents and shift supervisors (licensed SROs).

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MISSISSIPPI POWER & LIGHT COMPANY

We trust that the enclosed information is sufficient to satisfy Mr. Benedict's requirements and to demonstrate that the Grand Gulf Unit 1 management and support staff are well qualified to operate the plant safely. Please advise if you have any further questions on this matter.

Yours truly,

L. F. Dale
Manager of Nuclear Services

TCK/MLC/JGC:lm
Attachments

cc: Mr. J. B. Richard (w/a)
Mr. R. B. McGehee (w/a)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

Mr. Richard C. DeYoung, Director (w/a)
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. J. P. O'Reilly, Regional Administrator (w/a)
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30303

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ORGANIZATIONAL CHANGES TO GRAND GULF OFFSITE UNIT 1 MANAGEMENT AND TECHNICAL SUPPORT

I. INTRODUCTION

On October 26, 1983, MP&L submitted to the NRC a detailed description of the organization, staffing and experience of its Nuclear Production Department (Reference Letter No. AECM-83/0680). The purpose of this report is to update the information contained in that submittal to reflect a recent change in the Company's senior management and to identify changes to the management structure of the offsite technical support organizations. These changes, reflected in the enclosed organization chart, were made to strengthen the nuclear experience level of the senior management staff and to provide more effective first-line management of technical activities important to plant safety. Details of these recent organizational changes are provided in the following sections.

II. CHANGES TO SENIOR MANAGEMENT

Effective April 1, 1984, Mr. William Cavanaugh, III, has assumed the position of President and Chief Operating Officer of MP&L. In this capacity, Mr. Cavanaugh is responsible for all company operations including nuclear operations. He brings to this position over twenty years of nuclear engineering and management experience, including five years as Senior Vice President of a utility with an operating, two-unit nuclear power plant. Mr. Cavanaugh's professional resume is included with this enclosure.

III. CHANGES TO LOWER LEVEL MANAGEMENT STRUCTURE

A. Nuclear Services

Nuclear Services has been expanded from four to six sections by dividing the previous Nuclear Safety and Licensing Section into three new sections: Nuclear Licensing, Nuclear Safety & Compliance, and Radiological and Environmental Services. Each new section is headed by a section manager who reports directly to the Manager of Nuclear Services. A brief description of the responsibilities of each of the new sections is provided below. Resumes of the respective section managers are also included.

Nuclear Licensing Section

The Nuclear Licensing Section is responsible for: interfacing with regulatory agencies as necessary to secure permits and licenses to construct and operate GGNS; the Facility Operating License and amendments to this document; interpreting provisions of the Atomic Energy Act, Code of Federal Regulations, and other regulatory documents pertinent to the

plant; interpreting regulatory requirements and staying apprised of ongoing regulatory issues; and preparing, coordinating, maintaining, and testing of the Emergency Plan.

The Nuclear Licensing Section has the primary responsibility for obtaining the operating licenses for the station and coordinating resources to respond to the Nuclear Regulatory Commission's requests for additional information. This includes: maintenance, distribution, and revision of the FSAR, Security Plan, and Fire Protection Plan; responses to NRC questions; applications for source and SNM licenses; licensing review of design changes; control of commitments made to the NRC; coordination of reload licensing; and scheduling the submission of FSAR amendments and other licensing documents.

A principal member of Nuclear Licensing is the Emergency Planning Coordinator, who reports to the Manager of Nuclear Licensing and has the responsibility for: the preparation, evaluation and coordinated maintenance of the GGNS Emergency Plan; controlling the MP&L Corporate Emergency Plan Procedures; and providing assessment of the overall effectiveness of MP&L emergency preparedness.

Mr. J. G. Cesare is the Manager of the Nuclear Licensing Section.

Nuclear Safety & Compliance Section

The nuclear safety responsibilities of the previous Safety and Licensing Section are now the responsibility of the Nuclear Safety & Compliance Section. This includes: evaluation, tracking, and resolution of generic licensing issues such as unresolved safety issues or Three Mile Island related concerns; ensuring the performance of needed safety analysis work which may be required for 10CFR 50.59 reports; overseeing probabilistic risk analysis concerns; maintenance, revision, and control of plant technical specifications; evaluation, tracking, and as needed, resolution of specific safety concerns raised in Inspection and Enforcement bulletins, circulars, and information notices; preparation of INPO/NSAC significant operating event and significant operating experience reports as well as formal responses to the NRC where required; preparation of reports required by 10CFR 50.59; and review of 10CFR 21 and 50.55(e) reports prior to submittal to the NRC.

The Nuclear Safety & Compliance Section also includes the Regulatory Compliance Group which is responsible for interfacing with the Plant Staff in the closure of open items and ensuring compliance with Nuclear Regulatory Commission regulations.

Mr. S. H. Hobbs is Manager of the Nuclear Safety & Compliance Section.

Radiological & Environmental Services Section

The Radiological & Environmental Services Section is responsible for: maintaining an overview of radiation protection activities at GGNS; ensuring that radiation doses are kept As-Low-As-Reasonably-Achievable (ALARA); performing periodic health physics, radwaste management, and ALARA appraisals; implementation of the environmental protection plan; reviewing aqueous and airborne effluent and solid radwaste shipment data; and performing and evaluating related radiation protection activities.

Additionally, the section is responsible for obtaining environmental permits; maintaining, distributing, and revising the Final Environmental Report, the Offsite Dose Calculation Manual, and the Process Control Program; and evaluating radiological and non-radiological parameters to ensure protection of the public and the environment.

Dr. L. R. McKay is Manager of the Radiological & Environmental Services Section.

B. Nuclear Plant Engineering

Nuclear Plant Engineering has been expanded from five to seven engineering groups. The two new groups consist of the Quality Engineering Group and the Systems Engineering Group. Each group is headed by a Principal Engineer who reports directly to the Manager of Nuclear Plant Engineering. A brief description of the responsibility of each of these groups is provided below. The resume of the Principal Systems Engineeer is included with this submittal.

Quality Engineering Group

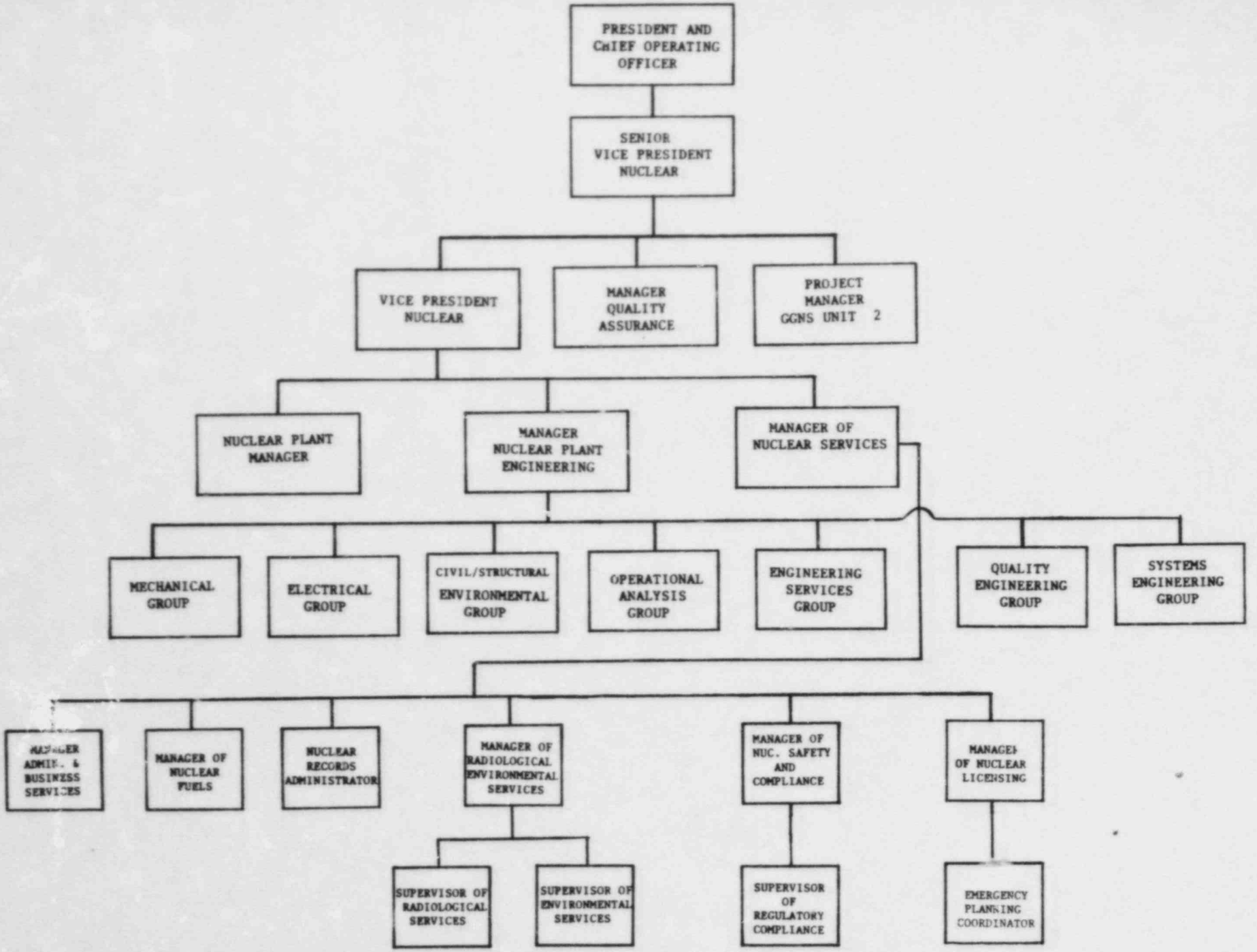
The Quality Engineering Group is responsible for the development of, revisions to, and the control and management of the Nuclear Plant Engineering Administrative Procedures. Other responsibilities include quality reviews of design documents, the development and implementation of the training program for Nuclear Plant Engineering personnel, and the interface for Nuclear Plant Engineering with other Nuclear Production Department quality organizations (i.e., Quality Assurance, Plant Quality, etc.). If issues arise requiring capabilities beyond those of the group, the Principal Quality Engineer is responsible for recommending appropriate assistance.

Mr. F. Bryan is currently the acting Principal Quality Engineer. MP&L is in the process of searching for a qualified individual to fill this position.

Systems Engineering Group

The Systems Engineering Group is responsible for the management of interdisciplinary projects during the conceptual and planning stages, contract administration and other tasks which are not suited to a specific discipline. The group is also responsible for special projects as assigned by the Manager of Nuclear Plant Engineering. The Principal Engineer is also responsible for recommending appropriate assistance if issues arise which exceed the capabilities of the group.

Mr. J. McAdams is the Principal Systems Engineer.


PRESIDENT AND CHIEF OPERATING OFFICER
SENIOR VICE PRESIDENT NUCLEAR
VICE PRESIDENT NUCLEAR
MANAGER QUALITY ASSURANCE
PROJECT MANAGER GGNS UNIT 2
NUCLEAR PLANT MANAGER
MANAGER NUCLEAR PLANT ENGINEERING
MANAGER OF NUCLEAR SERVICES
MECHANICAL GROUP
ELECTRICAL GROUP
CIVIL/STRUCTURAL ENVIRONMENTAL GROUP
OPERATIONAL ANALYSIS GROUP
ENGINEERING SERVICES GROUP
QUALITY ENGINEERING GROUP
SYSTEMS ENGINEERING GROUP
MANAGER ADMIN. & BUSINESS SERVICES
MANAGER OF NUCLEAR FUELS
NUCLEAR RECORDS ADMINISTRATOR
MANAGER OF RADIOLOGICAL ENVIRONMENTAL SERVICES
MANAGER OF NUC. SAFETY AND COMPLIANCE
MANAGER OF NUCLEAR LICENSING
SUPERVISOR OF RADIOLOGICAL SERVICES
SUPERVISOR OF ENVIRONMENTAL SERVICES
SUPERVISOR OF REGULATORY COMPLIANCE
EMERGENCY PLANNING COORDINATOR

GG
FSAR

Resume No.

Name: William Cavanaugh, III

Birthdate: 1938

Formal Education and Training:

B.S. Mechanical Engineering, Tulane University, 1961
Nuclear Power Training, U.S. Naval Nuclear Power School and A1W (Westinghouse) Prototype

Experience:

1961 - 1969 U.S. Navy - Qualified Chief Engineer of S5W Naval PWR Plant

1969 - 1984 Arkansas Power & Light Co., Little Rock, Arkansas

1969-1970 Cadet Engineer and Assistant Engineer - Joined the Company as a project engineer for Arkansas Nuclear One, the Southwest's first nuclear-fueled generating station.

1970-1971 Assistant Superintendent, Arkansas Nuclear One - Was responsible for the design, construction and licensing of Arkansas Nuclear One, Unit 1, with plans proceeding on construction of Unit 2.

1971-1974 Production Project Manager - Responsibility of day-to-day project management for Unit 1 and 2 at Arkansas Nuclear One during that period that Unit 1 was nearing completion and Unit 2 construction was in the early phases.

1974-1976 Manager of Nuclear Services - Was promoted into the newly-created position as AP&L further developed and refined its nuclear capabilities with responsibility for the operational support of Unit 1 and the continuing construction of Unit 2 at Arkansas Nuclear One.

1976-1977 Assistant Director, Power Production - Responsible for both operation/construction of Arkansas Nuclear One; construction of the White Bluff Steam Electric Station near Redfield, a two-unit, coal-fueled generating facility; and operation of all fossil-fueled and hydro electric facilities.

1977-1979 Executive Director, Generation and Construction - Was promoted to the senior management level of AP&L with the overall responsibility of all generating and related construction operations with a department of over 800.

1979-1981 Vice President, Generation & Construction - Was elected an officer of the Company with continuing responsibility for all generation and related activities. During this period, Unit 2 of Arkansas Nuclear One went into commercial service; Unit 1 of White Bluff Station became operational; and construction of a second coal-fired facility - Independence Steam Electric Station - was initiated near Newark.

1981-1984 Senior Vice President, Energy Supply - Was promoted to senior vice president - one of five within the AP&L management structure. Responsible for: (1) direction of all power plants on the AP&L system, including two nuclear units, four coals units, fourteen oil/gas units and four hydro units, with total generating capacity of 7,609 megawatts; (2) management control over design and construction projects, new generation technology and methods to increase plant reliability and efficiency; (3) continuous contacts with numerous agencies, including Federal/State regulatory bodies, vendors, industry professionals, architects-engineers, contractors and consultants; (4) all long/short-range planning in the area of generation and construction with a sensitivity to technology regulations, economics, management and public sentiment; (5) supervision of 1,980 employees; and (6) maintenance of assets with an estimated value in excess of $1.7 billion.

April through August, 1983 LP&L Assignment - Was on special assignment as Senior Vice President of Nuclear Operations at Louisiana Power & Light Company. As a loaned executive, assumed overall management responsibility for all aspects of Waterford Three Nuclear Project. Contributions to this effort were recognized by a special citation presented by the LP&L Board of Directors in mid-1983.

1984 - Present Mississippi Power & Light Co., Jackson, Mississippi

President and Chief Operating Officer - Responsible for nuclear operations, customer and informational services, personnel, administration and engineering systems operations and construction.

Professional Memberships:

Registered Professional Engineer, Louisiana
American Nuclear Society
American Society of Mechanical Engineers
American Society for Testing and Materials
Engineering Advisory Committee of Nuclear Insurance Ltd.

Resume No. 54

Name: Sam H. Hobbs

Birthdate: August 19, 1945

Formal Education and Training:

B.A. Physics, Vanderbilt University, 1971
M.S. Nuclear Engineering, Georgia Institute of Technology, 1972
M.B.A. Finance, University of Houston, 1978
GE BWR Technology, 1972
Westinghouse Zion Simulator, 1974
GE Grand Gulf Technology, 1981
GE Perry Simulator, 1981

Experience:

1972 - 1974 Southern Services, Inc., Nuclear Services Dept., Birmingham, Alabama

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Project Licensing Engineer - On the Farley Nuclear Plant during FSAR preparation and review. Responsible for communications with the Atomic Energy Commission and for licensing interface coordination between Alabama Power Company, Southern Services, Bechtel, and Westinghouse. Responsible for systems review to ensure conformance with regulatory requirements.

Licensing Engineer on the Vogtle and Baron PSARs and the Hatch Environmental Report.

1974 - 1981 Brown and Root, Inc., Power Division, Houston, Texas

Senior Engineer - acting as TMI Coordinator responsible to South Texas Project project management for coordination of studies related to design changes required as a result of the Three Mile Island accident, including client interface, tracking of implementation of recommended design changes, and technical review of TMI-related reports.

Other assignments included:

1) Senior Licensing Engineer (South Texas Project) responsible for site hazards analysis, including preparation of a topical report on tornado

Sam H. Hobbs - Continued

missiles; acting as the South Texas Project technical representative on the Westinghouse Turbine Disc Integrity Task Force; and performing toxic gas calculations, pipeline hazards evaluation, and aircraft accident probability evaluations. Responsible for a systematic program of regulatory guide evaluation. Responsible for preparation of FSAR material on General Design Criteria, codes and standards, internal and external missiles, operations, startup, and quality assurance.

2) Senior Mechanical Engineer (South Texas Project) responsible for steam system, including turbine vendor interface. Duties included a review and update of all system documentation to ensure comformance with ASME B&PV Section III requirements in preparation for an ASME audit and preparation of a design review presentation for the client.

3) Mechanical Engineer assigned to the plant improvement program for the ALCOA/SIGECO Plant Warrick, a multi-unit coal-fired plant. Responsible for recommending engineering solutions to auxiliary cooling water biofouling and air preheater chemical fouling problems. Responsible for boiler drain calculations, preparation of pipe specifications (ANSI B31.1), turbine water induction protection calculations, economic evaluation of waste heat recovery from instrument air compressors, pre-engineered metal building specification preparation, and instrument air system material takeoffs.

4) Senior Staff Licensing Engineer on the Brown & Root Standard Safety Analysis Report (BARSSAR) and the South Dade Environmental Report. Acted as the licensing representative on the North Anna Conversion Study with responsibility for the nuclear option portion of the report. Developed a simplified economic evaluation model incorporating inflation to allow comparison of recurring operational costs. Prepared client presentations and proposals as needed. Served as an instructor in licensing and regulatory effects training. Served on ASN Working Group 2.3 during early preparation of standard on tornadoes and extreme winds at nuclear power plants.

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Sam H. Hobbs - Continued

1981 - Present Mississippi Power & Light Company, Jackson, Mississippi

Manager of Nuclear Safety and Compliance - Responsible for managing the Nuclear Safety and Compliance Section (a part of the Nuclear Services Department). Nuclear Safety duties include: evaluation, tracking, and resolution of generic licensing issues such as unresolved safety issues or Three Mile Island-related concerns; ensuring the performance of needed safety analysis work which may be required for 10 CFR 50.59 reports; overseeing probabilistic risk analysis and reliability engineering concerns; maintenance, revision, and control of plant technical specifications; evaluation, tracking, and, as needed, resolution of specific safety concerns raised in Inspection and Enforcement bulletins, circulars, and notices, and related areas such as INPO/INSAC significant operating event and significant operating experience reports, as well as preparation of formal responses to the NRC where required; preparation of reports required by 10 CFR 50.59; review of 10 CFR 21 and 50.55(e) reports prior to submittal to the NRC. Regulatory Compliance duties include: evaluation, tracking and coordination of responses to violations, primary onsite corporate interface with the NRC, and onsite tracking and coordination of commitment closure.

Professional Membership:

Licensed Professional Engineer

Resume No. 55

Name: John Guy Cesare, Jr.

Birthdate: 1949

Formal Education and Training:

Hinds Junior College, 1967-1969
B.S. Chemical Engineering, Mississippi State University, 1972
Navy Nuclear Power School, Bainbridge NTC, 1972
Navy S1C Prototype, Qualified Engineering Watch Officer, 1973
B.S. Nuclear Engineering, Mississippi State University, 1978
M.S. Nuclear Engineering, Mississippi State University, 1980
GE Grand Gulf Systems Technology, 1981
GE BWR/6 Simulator Familiarization Training, 1981 51

Experience:

1972 - 1976 U.S. Navy

Nuclear Power and Submarine Officer Training (1972-1973)

Nuclear Submarine Officer (1973-1976) - Served as Reactor Control Officer aboard an S5W nuclear submarine. Awarded Squadron Commendation for outstanding contributions to mini-overhaul conducted on ship at advanced site.

1976 and 1978 (Part-time) Environmental Effects Laboratories, Waterways Experiment Station, Vicksburg, Mississippi

Chemical Engineer - Heavy metal analysis in support of various evaluations of pollutant content and migration in landfills, disposal basins, and marshlands. Operated and maintained an argon plasma emission spectrometer.

1980 - Present Mississippi Power & Light Company, Jackson, Mississippi

Licensing Engineer (1980 - 1981) - Responsible for evaluation and reporting of 10 CFR 50.55(e) deficiencies; evaluation of NRC requests for additional information on Grand Gulf Nuclear Station; and

John Guy Cesare, Jr. - Continued

interface management of parties responsible for response preparation, final review, and preparation for FSAR amendment submittal. Development of licensing positions and compliance evaluations.

Manager of Nuclear Licensing (1981 - Present) - Reporting to the Manager of Nuclear Services; providing supporting interface between the company and the NRC on licensing matters. Responsible for coordination of NSSS vendor, A-E, and Plant Staff resources to respond to NRC requests for additional information (exclusive of those areas in scope of Manager of Nuclear Safety and Compliance), evaluation of responses for compliance with the Code of Federal Regulation, various NRC regulatory guides and publications, and various industry codes and standards. Responsible for final review and preparation for submittal of licensing positions and responses to the NRC in support of the NRC staff review of the GGNS FSAR and FER and related documents associated with the application for license. Tasked with tracking and management of open questions, formal and informal, and other items identified as requirements to obtain and maintain a full power operating license. Responsible for distribution and control of company maintained FSAR and FER manuals, Security Plan, Emergency Plan, and other significant licensing related documents, exclusive of those maintained by Manager of Nuclear Safety and Compliance.

Oversees and directs activities of Emergency Planning Coordinator in coordinating the MP&L/Grand Gulf emergency preparedness program.

Responsible for coordinating MP&L review and comment resolution of proposed changes to the Operating License and for coordinating resources necessary to gain NRC approval and associated Operating License amendments.

Resume No. 30

Name: Larry R. McKay

Birthdate: 1945

Formal Education and Training:

B.S. Medical Technology, University of Tennessee, 1968
M.S. Radiation Sciences, University of Arkansas, 1970
Ph.D. Bionucleonics, Purdue University, 1972

Experience:

1972 - 1973 U.S. Environmental Protection Agency, Rockville, Maryland

Health Physicist (Radiobiologist) - Responsible for formulating radiation standards for air and water from a variety of radioactive materials. Prepared Environmental Impact Statements for nuclear facilities.

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1973 - 1975 Oak Ridge National Laboratories, Oak Ridge, Tennessee

Research Associate - Modeled the transport of radioactive materials through aquatic and terrestrial environments by means of commuter codes.

1975 - 1977 Ingalls Shipbuilding, Division of Litton Industries, Inc., Pascagoula, Mississippi

Joined Ingalls as Radiation Specialist - Responsible for authoring radiation control instructions for maintenance and overhaul work on nuclear submarines. Promoted to Manager, Radiation Control Training - Managed training unit for health physics technicians. Later assumed responsibility for personnel and environmental dosimetry program at Ingalls as Manager, Radiological Services.

1977 - 1980 Mississippi Gulf Coast Junior College, Jackson County Campus, Gautier, Mississippi

Instructor - Developed and implemented two-year, degreed health physics technician training program in the Nuclear Radiation Control Technology Department.

Larry R. McKay - Continued

1980 - Present Mississippi Power & Light Company, Jackson, Mississippi

Manager of Radiological and Environmental Services - Responsible for directing health physics, and environmental assessment support activities for the design, construction, operation, and licensing of GGNS.

Professional Memberships:

American Nuclear Society
Health Physics Society

Resume No. 11

Name: Jimmie McAdams

Birthdate: 1933

Formal Education and Training:

B.S. Mechanical Engineering, Louisiana Tech University, 1955
M.S. Mechanical Engineering, Louisiana Tech University, 1965
M.S. Civil Engineering, Southern Methodist University, 1969

Experience:

1955 - 1958 Military Pilot, USAF

1958 - 1960 Chemistand Corp., Pensacola, Fla.

Mechanical Engineer - Process equipment improvement

1962 - 1970 Aerospace Corp., Dallas, Texas

Structures Design Engineer - Analysis of aerospace structures.

1970 - 1973 Ford, Bacon and Davis Corp., Monroe, LA

Mechanical Engineer - Design of fuel oil pumping system and flood water pumping station.

1973 - 1982 Brown and Root, Inc., Houston, Texas

1973 - 1975 - Mechanical Engineer - Development and application of various mechanical systems computer programs.

1975 - 1977 - Stress Engineer - Performed ASME III piping stress analyses.

1978 - 1980 - Subcontract Administrator - Coordinated the activities of a subcontractor who performed piping stress analyses, support design, and pipe whip restraint design for the South Texas Project, PWR Nuclear Power Plant.

1980 - 1981 - Supervisor - Special Stress - Responsible for group performing I&C tubing stress analysis and support design; HVAC support design; equipment seismic qualification; penetration design; and missile hazard analysis. South Texas Project, PWR Nuclear Power Plant.

1981 - 1982 - Supervisor - Stress - Responsible for group performing piping stress analysis of small piping at Commanche Peak, PWR Nuclear Plant.

Jimmie McAdams - Continued

1982 - Present - Mississippi Power & Light Company, Grand Gulf Nuclear Station - Principal Engineer - Systems - Responsible for:

(1) Management of interdisciplinary projects during planning stages,

(2) Contract administration, and

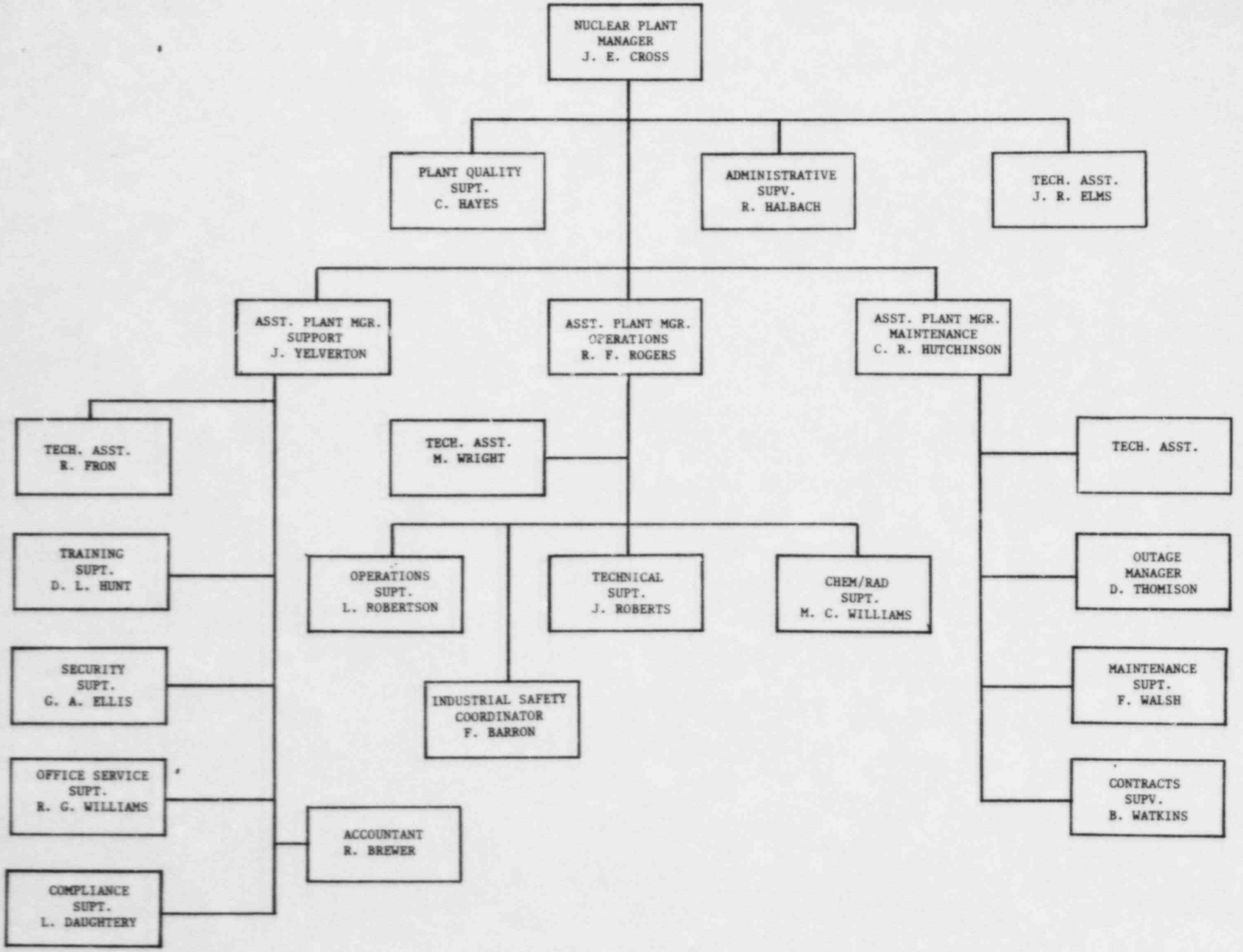
(3) Other tasks that do not fall into a specific discipline.

Professional Memberships:

American Society of Mechanical Engineers
Registered Professional Engineers

GRAND GULF UNIT 1
PLANT MANAGEMENT ORGANIZATION

Enclosed is an organization chart depicting the current management organization of the Grand Gulf Unit 1 staff. Resumes of all management personnel are also enclosed.


NUCLEAR PLANT MANAGER
J. E. CROSS
PLANT QUALITY SUPT.
C. HAYES
ADMINISTRATIVE SUPV.
R. HALBACH
TECH. ASST.
J. R. ELMS
ASST. PLANT MGR. SUPPORT
J. YELVERTON
ASST. PLANT MGR. OPERATIONS
R. F. ROGERS
ASST. PLANT MGR. MAINTENANCE
C. R. HUTCHINSON
TECH. ASST.
R. FRON
TECH. ASST.
M. WRIGHT
TECH. ASST.
TRAINING SUPT.
D. L. HUNT
OPERATIONS SUPT.
L. ROBERTSON
TECHNICAL SUPT.
J. ROBERTS
CHEM/RAD SUPT.
M. C. WILLIAMS
OUTAGE MANAGER
D. THOMISON
SECURITY SUPT.
G. A. ELLIS
INDUSTRIAL SAFETY COORDINATOR
F. BARRON
MAINTENANCE SUPT.
F. WALSH
OFFICE SERVICE SUPT.
R. G. WILLIAMS
ACCOUNTANT
R. BREWER
CONTRACTS SUPV.
B. WATKINS
COMPLIANCE SUPT.
L. DAUGHTERY

Resume No. 12

Name: James E. Cross

Birthdate: May 22, 1946

Formal Education and Training:

University of South Florida, B.S., Electrical Engineer, 1964-1969
Babcock and Wilcox's, 880 Nuclear Protection School
North Carolina State University, SRO Training
Watts Bar Nuclear Plant, Nuclear Systems Course
Watts Bar Nuclear Plant, Management Training
Grand Gulf Nuclear Plant, Accelerated Systems and Simulator Course

Experience:

1969 - 1972, Florida Power Corporation, Instrument Engineer, Nuclear Design, St. Petersburg, Florida

Responsible for design and interface on the Reactor Protection System, Nuclear Instrumentation, and Radiation Monitoring. Responsible for the control system design for Crystal River Unit 2 oil conversion. Included design, construction and startup activities.

1972 - 1983, Tennessee Valley Authority

Instrument Engineer, Design Engineering, Knoxville, TN

Instrument Engineer - Responsible for the design of Sequoyah and Watts Bar Nuclear Plants' Radiation Monitoring System, Turbine Supervisory Instrumentation and Status Display Systems. Provided Instrument and Control interface between the Operating Divisions and Manufacturers.

Instrument Engineer, Nuclear Operations, Chattanooga, TN

Instrument Engineer - Responsible for control system performance on fossil steam plants. Major systems included turbine supervisory instrumentation, feedwater systems, condensate systems, boiler safety circuits and other systems which had integrated controls. Responsible for review and approval of instrument and control-related startup tests for Browns Ferry Nuclear Plant Units 1 and 2. Assisted the Plant Staff in performance of several tests concerning integrated system performance and radiation release instrumentation. Several months assigned to Browns Ferry to resolve control systems problems during Unit 1 and 2 startup. Served as a member of the Off-Site Emergency Team for Browns Ferry. Served as Corporate Advisor on instrument and control-related matters.

Results Supervisor, Watts Bar Nuclear Plant, Spring City, TN

Results Supervisor - Responsible for the initial development of programs relating to chemistry, reactor engineering, mechanical tests and studies, and instrument engineering.

James E. Cross - Continued

writing the initial technical specifications and surveillance test programs. Developed and ASME Section XI Testing Program and the plant's liquid and gaseous release programs. Developed the instrument testing and surveillance program.

Assistant Plant Superintendent, Watts Bar Nuclear Plant

Assistant Plant Superintendent - Responsible for security, compliance, NRC plant interface, plant administrative section and safety section. Developed the initial programs associated with these sections. Served as Plant Superintendent in his absence.

Assistant Plant Superintendent, Sequoyah Nuclear Plant

Assistant Plant Superintendent - Responsible for mechanical maintenance and engineering, electrical maintenance and engineering, instrument maintenance and engineering, and janitor and laborer services. Served as Superintendent in his absence.

1983 - Present, Grand Gulf Nuclear Station, Port Gibson, MS

Assistant Plant Manager - Operations - Responsible for day-to-day conduct of all NRC licensed operations personnel and directed the Operations, Technical, and the Chemistry and Radiation Control Sections at GGNS. Reported to the Nuclear Plant Manager.

Nuclear Plant Manager for Grand Gulf Nuclear Station - Reporting to the Vice President - Nuclear, the Nuclear Plant Manager has overall authority and responsibility for operations, maintenance, chemistry and radio chemistry, radiation protection, training, safety, environmental, security, technical, and administrative activities at the plant in accordance with commitments of the MP&L Operations and Quality Assurance Manuals and Technical Specifications; for issuing Administrative Procedures which clearly define the responsibilities and authorities of plant personnel; for supervising the day-to-day operations of the plant and staff; for implementing plant modifications and repairs; ensuring the safe, reliable, and efficient operation of the plant within the constraints of applicable regulatory requirements and the operating license. Has immediate responsibility for the safety of the plant and the general public.

Resume No. 81

Name: Curtley Curtis Hayes, Jr.

Birthdate: 1952

Formal Education and Training:

B.S. Industrial Technology, Mississippi State University, 1974
Introduction to Section III, V, & XI, ASME Code, 1977
Basic Principles of Nondestructive Testing, Rockwell International, 1977
BWR/6 Design and Fundamentals, General Electric, 1978
Auditor Training, Bechtel, 1978
GE BWR/6 Grand Gulf Technology, 1978
MP&L Plant Quality Training, 1978
Middle South Services Lead Auditor Training, 1979
Grand Gulf Nuclear Station Blueprint Reading, 1980
Leadership Supervisory Training, MP&L, 1980
Deficiency Screening Training, MP&L, 1980
Statistical Quality Control, 1978

Experience:

1974 - 1977 Chicago Bridge & Iron Nuclear Company

Quality Control Inspector - Certified in accordance with ANSI N45.2.6-1973 as a Level II inspector. Responsibilities included maintaining dimensional control through designated dimensional examination of fabricated pieces, assembly fitups, and overall nuclear reactor pressure vessel dimensions including the proper documentation of each inspection. Obtained training in nondestructive testing and inspections, basic welding techniques, and principles of Quality Assurance. Utilized optical equipment including jig transit, tilting level, builders level, theotolite, and plumb aligner; and mechanical measuring equipment including inside micrometer, outside micrometer, vernier, vernier angle gauge, depth micrometers, and tape measures.

1977 - Present Mississippi Power & Light Company, Jackson, Mississippi

Senior Plant Quality Representative (1977-1980) - Certified as Level II Quality Inspector in accordance with ANSI N45.2.6-1973. Certified as Senior Quality Assurance Engineer in accordance with plant procedures. Responsibilities included monitoring and review of Grand Gulf Nuclear Station plant activities, procedures, and work functions for conformance

Curtley Curtis Hayes, Jr. - Continued

to Operational QA program. Handled and controlled QA records; prepared quality procedures, instructions, program reviews, and reports. Participated in the training and indoctrination of plant staff personnel in the requirements of the OPS QA Program. Additional responsibilities included receipt inspection of nuclear spare parts and components; trend analysis of deficiencies; and review of vendor contracts and site procurement documents. Assisted in development of plant procurement procedure and the computerized Requirements Procedures Tracking System (RPTS).

Startup Test Supervisor (1980-1982) - Responsibilities included preparation of preoperational and acceptance test procedures utilizing drawings, technical specifications, and vendor manuals; supervision of startup testing in accordance with written procedures and within the guidelines of the Grand Gulf Startup Manual. Additional responsibilities included review and acceptance of system turnover packages and supervision of craft personnel performing maintenance on startup controlled systems.

Nuclear Plant Quality Superintendent (1982 - Present) - Responsible for the review and monitoring of the GGNS onsite operational QA program as well as the supervision, training, and certification of Plant Quality Representatives and inspection personnel. Also provides QA/QC guidance and training to plant staff personnel. Reports directly to the Plant Manager.

Resume No. 50

Name: Robert T. Halbach

Birthdate: [redacted] 1936

Formal Education and Training:

B.S. Biology, Old Dominion University, 1965

Experience:

1965 - 1969 Buena Vista High School, Saginaw, Michigan

Teacher - Team teacher in experimental classroom situations. Prepared and delivered television lessons for closed circuit television. Became Master Teacher with responsibility for all biology classes. Instituted advanced and slow learner groups. Responsible for Staff Teachers and Student Teachers.

1969 - 1972 Memphis Mouldings, Inc., Memphis Tennessee

Manager and Manager Trainee - Obtained experience in all phases of production management. Extensive sales and production troubleshooting. Appointed Plant Manager in 1971. Initiated quality control procedures, increased production and sales through departmental coordination. Began OJT in critical skilled areas.

1972 - 1981 Port Gibson Wood Products, Inc., Port Gibson, Mississippi

Assistant to President - During final construction and startup of a modern millwork and furniture dimension facility. Responsible for personnel procurement, implementation of federal training programs, and production scheduling. Responsibilities evolved into that of raw material procurement and sales. Placed as General Manager in 1973 with responsibility for the total production/sales/profit/loss to an absentee owner. Successfully diversified product line through machine acquisition and a customer awareness sales program. Remained the senior management employee until the return of the President in 1977.

Robert T. Halbach - Continued

1981 - Present Mississippi Power & Light Company, Jackson, MS

Administrative Supervisor - Responsible to the Plant Manager for the selection, recruiting, and hiring of qualified personnel to operate the plant, ensuring that selected personnel meet all regulatory requirements for education and experience. Duties include preparation and revision of job specifications, preparation and implementation of recruiting plans to meet personnel requirements, and coordination of all plant staff hiring with the Corporate Personnel Department. Prepares personnel budgets. Plans and implements medical, security, and psychological screening of all personnel where required.

Responsible to the Plant Manager and the Corporate Personnel Department for personnel administration. Duties include ensuring that all hiring and promotion is done in accordance with company policy and regulatory rules and requirements (Equal Employment Opportunity Commission Rules, Department of Labor Rule, ect.). Also plans and controls the implementation of company benefit programs for plant personnel.

Resume No. 37

Name: James R. Elms

Birthdate: 1933

Formal Education and Training:

B.S. Aeronautical Engineering, University of Colorado, 1956
Westinghouse - Bettis Laboratory Nuclear Power School
Graduate level courses in:
- Nuclear Physics
- Reactor Metallurgy
- Heat Transfer and Fluid Flow
- Reactor Plant Characteristics (Linear Systems Analysis)
- Advanced Engineering Mathematics
- Core Thermal Design
- Shielding Design

BWR Training Program, Morris, Illinois
Kepner Tregoe
Reactor Licenses:
U.S. Navy EOOW - A1W Facility - Idaho Falls, Idaho
U.S. NRC Senior Reactor Operators License - Oyster Creek Plant
GE Senior Operator Certification - Dresden 2 and 3
GE Senior Operator Certification - Browns Ferry 1, 2, and 3
EOOW Qualified on A1W facility

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Experience:

1956 - 1958 Cessna Aircraft Company, Wichita, Kansas

Aerodynamics Engineer - Conducted jet aircraft performance evaluation. Conducted wind tunnel tests on aircraft configurations. Participated in flight test performance and data analysis.

1958 - 1961 General Electric Company, Idaho Falls, Idaho

Operations Engineer - Responsible for operation and maintenance of reactor-associated support systems including aircraft gas turbines for the Aircraft Nuclear Propulsion Project. Conducted programs on fission product removal from direct air cooled reactor exhaust gas.

James R. Elms - Continued

1961 - 1963 Boeing Aircraft Company, Seattle, Washington

Vibration Test Engineer - Designed dynamically similar engine mass, engine mounts, and test fixture for 727 aircraft for testing of vibration attenuating engine mounts.

Vibration Laboratory Shift Supervisor - Responsible for conducting vibration test programs on aircraft associated equipment and instrumentation and for transient data acquisition.

1963 - 1966 Westinghouse Electric Company, Idaho Falls, Idaho

A1W Facility, Engineer - Responsible for teaching all phases of reactor and steam plant operations to Navy officers and enlisted personnel. U.S. Navy qualified Engineering Officer of the Watch (EOOW) for the A1W facility. 49

1966 - 1980 General Electric Company, San Jose, California

Startup Test Engineer/Shift Supervisor - Responsible for supervising and advising a TVA operating shift during the startup test program for Browns Ferry Units 1 and 2. Prepared and conducted system preoperational tests. Directed all activities in placing the Browns Ferry Radioactive Waste Treatment Facility in operation.

Startup Test Engineer - Assigned to BWR Training Center at Morris, Illinois. Taught all phases of BWR system and plant operation to customer personnel. Teaching consisted of both classroom and simulator activities leading to NRC Senior Operator's License for customer personnel.

Startup Test Engineer - Startup Operations Advisor to the GKN Plant in Arnheim, Holland. Shift Supervisor at the Oyster Creek Plant. Responsible for supervising and directing a Jersey Central Power and Light shift during the preoperational test and startup test program. Operations Advisor to the Oyster Creek Plant following turnover.

James R. Elms - Continued

1980 - 1983 Mississippi Power & Light Company, Jackson, Mississippi

Maintenance Superintendent at Grand Gulf Nuclear Station - The Maintenance Superintendent is responsible for all mechanical, electrical, and instrumentation and control maintenance activities in the plant. In addition, this section carries out a preventive maintenance program to ensure high plant equipment availability.

The Maintenance Superintendent is responsible for close liaison between other station organizations to ensure safe equipment operation, shutdown, startup, and functional tests, and to assure that work is performed in accordance with station Radiation Controls Procedures which maintain worker exposures as low as reasonable achievable. He is also responsible for the development and periodic review of plant maintenance procedures and instructions pertaining to quality-related work activity of this group. He is responsible for the generation of appropriate maintenance records. When necessary, other MP&L employees or contract maintenance personnel supplement the Maintenance Section.

The Maintenance Superintendent provides direction and coordination to the Maintenance Section and, in doing so, is assisted by three Maintenance Superintendents, a Materials Supervisor, and their staffs. The Maintenance Superintendent reports to the Assistance Plant Manager - Nuclear.

1983 - Assistant to Plant Manager

Technical Assistant to the Plant Manager.

Resume No. 51

Name: Jerry Wayne Yelverton

Birthdate: 1944

Formal Education and Training:

B.S. Nuclear Engineering, Texas A&M University, 1973
Q.A. Auditor Training Course, Bechtel Power Corporation, 1976

Experience:

1965 - 1967 Metal Arts Company

Pressure Vessel Design Draftsman - Performed design and prepared shop fabrication drawings of carbon and alloy pressure vessels.

1967 - 1968 Bechtel Corporation

Pressure Vessel Designer - Responsible for the design of pressure vessels for use in refinery and chemical industry. 49

1968 - 1970 U.S. Army

Design Draftsman-Corp. Engineer - Responsible for the total design aspects of selected military construction projects. Attained rank of Specialist 5th Class.

1970 - 1971 Bechtel Corporation

Procurement Inspector - Responsible for performing inspections of fabricated nuclear and power piping at vendors' facilities. Inspections consisted of process and product verification, including review of Q.A. documentation, in-process verification of welding requirements, and review and acceptance of radiographs.

1973 - 1979 Bechtel Corporation

Procurement Inspection Supervisor - Supervised nine Procurement Inspectors in all phases of surveillance inspection at vendors' facilities. Responsible for quality program audits and surveys of fabricators and material suppliers in Texas and Louisiana. Responsibilities included assisting in the development of audit, survey, and inspection plans to

Jerry Wayne Yelverton - Continued

assess vendors compliance to contract commitments regarding engineering and quality program requirements. Responsibilities included training and examination of assigned inspectors.

Senior Quality Assurance Engineer - Responsible for the auditing, surveillance, and monitoring of all phases of the NSSS and mechanical equipment activities at GGNS. Responsible for solving quality problems with the NSSS equipment supplier management personnel and conducting audits of field activities and at the NSSS manufacturing facilities to verify and assure compliance to contractual and regulatory requirements. Provided the Project QA Manager and engineer/construction personnel with guidance in writing quality control procedures.

Lead Quality Assurance Engineer - Responsible for supervising, training, and providing technical direction to eight Quality Assurance Engineers at Grand Gulf Nuclear Station. Responsible for assisting the Project QA Manager in the development, planning, management, and technical direction of the Project. Audit Program covered the design, procurement, construction, and component testing phase of the Grand Gulf Nuclear Project.

1979 - 1983 Mississippi Power & Light Company, Jackson, Mississippi

Nuclear Site Quality Assurance Manager at Grand Gulf Nuclear Station (1979-1983) - Directs the on-site Quality Assurance organization for activities associated with the Operational and Construction Quality Assurance Programs. These activities include audits, monitoring, and reviews of plant site activities to ensure implementation of the Quality Programs. Responsible for providing quality interface and communication with the Plant Quality Superintendent. Has the authority to initiate action to stop unsatisfactory work and to control further processing, delivery or installation of nonconforming items or continuation of nonconforming services pending correction of the nonconforming condition.

Assistant Plant Manager - Support - Responsible for directing the Training, Office Services, Plant Security, Compliance and Accounting Sections at GGNS. Responsible for the development and implementation of plant procedures and programs in the area of responsibility. Reports directly to the Nuclear Plant Manager. Has overall responsibility for coordinating the various training programs at GGNS to ensure that all station personnel attain the skills necessary to meet all applicable regulatory requirements and to perform their respective job junction. Responsible for the implementation of the Plant Security Plan and overall direction of the Plant Security Force at GGNS. Responsible for the establishment and maintenance of plant records and the document control system and providing various administrative services to the Plant Staff.

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Resume No.

Name: Ross F. Rogers III

Birthdate: 1944

Formal Education and Training:

1966 B.S. Engineering U.S. Naval Academy, Annapolis, Maryland
1982 M. Ed. Mathematics, Georgia Southern College, Statesboro, GA

Operator Qualifications

Plant	Type of Reactor	Qualification
Hatch 1 and 2	GE BWR-4	SRO
Sequoyah	W PWR (4 Loop)	NRC Cert.
Browns Ferry	GE BWR-4	NRC Cert.

Experience:

U.S. Navy 1966-1974

1966-1968 Student, Navy Nuclear Training - California, New York, Connecticut, Virginia - Completed one year Navy Nuclear Training. Qualified on G.E. PWR Reactor Plant (D1G). Completed 6 months Submarine Officers School. Completed 10 weeks SSBN Navigation School.

1968-1970 - Reactor Controls Officer, USS Nathaniel Green (SSEN636), Charleston, S.C. - Served as Division Officer responsible for the instrumentation and control systems associated with the Reactor Plant. Qualified on the ship's Westinghouse PWR Reactor.

1970-1972 - Training Officer, G.E. Prototype PSR - Knolls Atomic Power Laboratory, West Milton, New York - Served as Department Head for a training staff of 100 and approximately 800 officer and enlisted students. Primary activity at the facility, which was a G.E. PWR (S3G), was the qualification (Licensing) of Reactor Operators and Senior Reactor Operators for the fleet. Qualified (Licensed) on the PWR Reactor. Also qualified as a Navy Chief Engineer in 1971.

1972-1974 - Engineer Officer, USS Ray (SSN 653), Norfolk, Virginia - Served as Department Head for approximately 100 officers and enlisted men. Supervised the operations and maintenance of all the ship's mechanical and electrical systems including the PWR Reactor Plant. Qualified (Licensed) on ship's Westinghouse PWR.

Ross F. Rogers III (Continued)

1976-1982 Nuclear Regulatory Commission

1974-1975 Reactor Inspector - Oconee and Crystal River Nuclear Plants - B & W PWRs - Conducted NRC startup programs for Oconee 2 & 3 and Crystal River 3 plants.

1976-1978 Principal Inspector - Surry Nuclear Plant-Dual Unit Westinghouse PWRs - Implemented NRC inspection program for all phases of plant operations.

1978-1982 Senior Resident Inspector, Hatch Nuclear Plant - Dual Unit GE BWRs - Implemented NRC inspection program for startup and operation of Unit 2 and operation of Unit 1.

1982 - Assistant to Director, Division of Reactor Programs, U.S. NRC, Region II, Atlanta - Managed technical, operational, licensing, and budget issued for NRC in the Southeast U.S.

1982-1984 - Georgia Power Company - Manager of Operations (SRO), Hatch Nuclear Plant, Dual Unit BWR-4 - Both units in operation. Responsible for operations, outage planning, security, and laborers. Managed approximately 400 people.

1984 - Present Mississippi Power & Light Co., Jackson, Miss.

Assistant Plant Manager - Operations - Responsible for day-to-day conduct of all NRC licensed operations personnel and directs the Operations, Technical, and the Chemistry and Radiation Control Sections at GGNS. Reports to the Nuclear Plant Manager.

Resume No. 4

Name: Charles Randy Hutchinson

Birthdate: 1946

Formal Education and Training:

B.S. Electronic Engineering, Mississippi State University, 1968
Area Radiation Worker Training, Ingalls, 1968-1973
Shift Test Engineer Training Program, Ingalls, 1970
Licensed Senior Reactor Operator (S5W&S3G Naval Plants), 1970-1973
Basic Reactor Fundamentals Course, Memphis State University, 1977
Grand Gulf Technology Course, G.E., 1978
MP&L Management Operational Orientation, G.E., 1978

Experience:

1968 - 1973 Ingalls Nuclear Shipyard, Pascagoula, Mississippi

Electrical Test Engineering (1968-1969) - Coordinated and assisted craftsmen and technicians with testing, trouble-shooting, maintenance, and repair of reactor plant control systems, including nuclear instrumentation, rod control, and the steam generator water level control. Designed and developed test equipment as required to accomplish testing of submarine reactors.

Reactor Plant Cognizant Engineering 1969-1970) - Duties included investigation and analysis of production problems related to construction and overhaul of the submarine reactor and preparation of detailed technical procedures to accomplish installation, repair modification of the various electrical control systems.

Shift Test Engineer (1970-1971), (Naval Reactors Certification) - Responsible for direction and performance of all reactor plant operations and tests during assigned shift.

Assistant Chief Test Engineer (1971-1972) - Primary duties included coordination of nuclear and non-nuclear testing activities, supervision of shift test engineers, and scheduling and coordinating reactor plant testing on a day-to-day basis.

Chief Test Engineer (1972-1973) - Duties included responsibility for all operations and testing of assigned reactor plants; review and approval of all test documents and procedures for the company; planning and scheduling the test program; directing the efforts of all test personnel assigned to reactor plants; evaluating results of all tests; and providing certification to various government agencies that test data met required specifications.

Charles Randy Hutchinson - Continued

1973 - Present Mississippi Power & Light Company, Jackson Mississippi

Support Supervisor (1973-1978) - Responsible for coordinating MP&L's design review/design freeze activities associated with GGNS; providing technical direction and plant staff assistance in areas of nuclear engineering, chemistry, radiation protection, and administration; plant and equipment performance testing; in-plant fuel management; chemistry control; radiation protection; environmental monitoring; plant records; and administration. Assigned as Support Services Superintendent (1978-1979). Responsible for directing the technical and administrative support activities at GGNS. Duties include directing the activities of the technical, administrative, training, and security sections at GGNS.

Startup Manager (1981-1982) - Responsible for planning, scheduling, and administration of all startup testing activities at GGNS through to commercial operation.

Nuclear Support Manager at Grand Gulf Nuclear Station (1982 - 1983) Responsible for direction of the technical and administrative support activities including the direction of activities of the technical, office services, security, and training departments; serving as Vice Chairman of the Plant Safety Review Committee; scheduling and coordinating all surveillance testing; providing the technical and administrative support to plant staff as required for safe and efficient operation of the plant; coordinating and conducting review of all plant-originated design modifications; providing recommendations to the Nuclear Plant Manager, as appropriate, to improve plant reliability and availability, and to reduce costs in his area of responsibility; and coordinating and conducting the various training programs at Grand Gulf Nuclear Station to ensure that all station personnel attain the skills necessary to meet all applicable regulatory requirements and to perform their respective job functions. Directly involved in engineering, operations, and support during all preoperational testing. Reports directly to the Nuclear Plant Manager.

Assistant Plant Manager - Maintenance (1983 - Present)

Responsible for the direction of electrical, mechanical and Instrument and Controls maintenance, outage operations, and contractual matters at the plant.

Professional Membership

American Society of Mechanical Engineers

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Resume No. 25

Name: Robert Charles Fron

Birthdate: 1954

Formal Education and Training:

B.S. Civil Engineering, Pennsylvania State University, 1976
M.S. Civil Engineering, Pennsylvania State University, 1978

Experience:

1976 Pennsylvania Power & Light Company, Berwick, Pennsylvania

Student Engineer - Member of Cost and Scheduling Group for Pennsylvania Power & Light Company at the Susquehanna Steam Electric Station.

1977 Philadelphia Electric Company, Pottstown, Pennsylvania

Student Engineer - Assigned to the Construction Quality Group at the Limerick Generating Station Construction Project. Duties included review of the technical specifications and the quality control procedures and the monitoring of construction activities.

1978 - 1980 Bechtel Power Corporation, Port Gibson, Mississippi

Field Engineer - Assigned to the Grand Gulf Nuclear Project as a Quality Engineer and as an Electrical Field Engineer on Unit 2.

1980 - Present Mississippi Power & Light Company, Jackson, Mississippi

1980-1981 Principal Civil Engineer (Acting) - Assigned to the Civil/Structural/Environmental Sub-group of Nuclear Plant Engineering at the Grand Gulf Nuclear Station. Assignments included general civil, structural, and concrete design on several NPE design projects.

1981 Manager of Nuclear Plant Engineering (Acting) - During assignment at Grand Gulf Nuclear Station developed NPE administrative procedures to respond to MP&L QA and ANSI N45.2 requirements.

1980-1983 Principal Civil Engineer - Assigned to the Civil/Structural/Environmental Sub-group of Nuclear Plant Engineering at the Grand Gulf Nuclear Station. Assignments include general civil, structural, and concrete design on NPE design projects.

1983-Present Technical Assistant to the Assistant Plant Manager - Support - Provide detailed and concentrated technical assistance in the areas of Training, Regulatory Compliance, Administrative Support and Security. Was Program Coordinator for the Recertification of the GGNS Licensed Operators. Was Assistant Program Manager for the 17 man-year Technical Specification review effort.

Resume No. 13

Name: Douglas L. Hunt

Birthdate: 1939

Formal Education and Training:

High School - Graduate
Navy Machinist A School - Great Lakes, Michigan, 1959
Navy Nuclear Power School, Mare Island, California, 1962
Navy A1W Prototype, Qualified Mechanical Reactor Operator, 1963
Navy Submarine School, New London, Connecticut, 1964
Navy S5W Reactor, Qualified Engineering Watch Supervisor, 1965-1969
Navy Instructor Training Course, 1968
S5W System Maintenance School, 1969
Navy Nuclear Welding and Non-Destructive Examination Methods, Qualified Level II Navyships 250-1500-1, 1970
Navy Quality Assurance Shipbuilding Program, Electric Boat, Groton, Connecticut, 1970
Auditor Training, Electric Boat, Groton, Connecticut, 1971
Light Water Breeder Reactor (LWBR) Technology, Duquesne Light Co., Shippingport, Pennsylvania, 1974
GE BWR-6 Nuclear Technology - Engineer's Course, 1980
Hinds Jr. College - 1978-1981; Night Classes - 44 Semester Hours

Experience:

1956 - 1977 United States Navy

Aircraft Carrier and Fleet Oiler Duty, Machinist Mate

Nuclear Submarine Duty, Qualified all Engineering Watch Stations including Engineering Watch Supervisor

Naval Reactors Representative, (Warrant Officer) - Electric Boat Shipbuilding, Groton, Connecticut. Responsibilities included performance of audits and surveillance of Electric Boat Nuclear Quality Assurance Program and assignment as Joint Test Group and Joint Refueling Group Member for Naval Reactors (overhaul and new construction submarines).

Douglas L. Hunt - Continued

Naval Reactors Representative, (Warrant Officer) - Electric Boat Shipbuilding, Groton, Connecticut. Responsibilities included performance of audits and surveillances of subcontractors performing modifications to accommodate light water breeder reactor conversion. Assisted Duquesne Light Company in developing 10CFR50 QA Program (plant was previously under naval reactors QA). Was member of Joint Test Group and Joint Refueling Group, 1974-1977.

1977 - Present Mississippi Power and Light Company
Jackson, Mississippi

Maintenance Planner at Grand Gulf Nuclear Station - Coordinated efforts with subcontractor to begin preservice inspection. Established schedules, approved procedures and interfaced with authorized inspector and QA to establish baseline inspection techniques in accordance with ASME Section XI.

Assistant Maintenance Supervisor at Grand Gulf Nuclear Station - Responsible for supervision of production crafts (mechanics, electricians and instrumentation control) in Maintenance. Directly involved in recruiting efforts to fill craft and supervisor positions in maintenance. Also responsible for establishing and outfitting maintenance shops, developing procedures and instructions for maintenance activities.

Nuclear Plant Quality Superintendent - Responsible for the review and monitoring of the on-site GGNS operations QA program as well as the supervision, training and certification of Plant Quality Representatives and inspection personnel. Also provided QA/QC guidance and training to plant staff. Reported directly to the Plant Manager.

Training and Administrative Superintendent at Grand Gulf Nuclear Station - The Training and Administrative Superintendent is responsible for implementing the Grand Gulf Nuclear Station Training Program. The Training and Administrative Superintendent schedules all plant personnel for training and retraining, directs and coordinates the plant training instructors, and maintains records of completed training. He reports to the Nuclear Support Manager for direction. The Training Supervisor, Simulator Supervisor, Administrative Supervisor, and Security Training Supervisor report to the Training and Administrative Superintendent.

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Resume No. 91

Name: Gerald A. Ellis

Birthdate: 1940

Formal Education and Training:

Bachelor of Science in Criminal Justice, Valdosta State College, Valdosta, Georgia, August 1977, Cum Laude
Master of Science in Sociology, Valdosta State College, Valdosta, Georgia, June 1979, Concentration in Criminal Justice and Administrative Management June 1979, Concentration in Criminal Justice and Administrative Management
Graduate, USAF Security Police Academy, Lackland AFB, Texas, 1959
Graduate, USAF Special Investigations and Counter-Intelligence School, AF Office of Special Investigations Headquarters, Washington D.C.
Graduate, Non-Commissioned Officers Leadership School, Pope AFB, North Carolina 1964. Honor Graduate and recipient of Speech/ Communications Award.
Graduate, Management for Air Force Supervisors School, Pop AFB, North Carolina, 1965. Honor Graduate.
Graduate, Security Police Officers Installation Defense and Anti-terrorism Course, 1973.

Experience:

1958 - 1979 United States Air Force

1958-1968 - Assigned to various USAF installations. Performs duties as security specialist, law enforcement patrolman, central security control room supervisor, police and security shift supervisor, base level program manager for security education-motivation program, and program manager and inspector for base information security and personnel security programs. Performed duties as Nuclear Storage Site Security Supervisor. Prepared plans for the protection of nuclear weapons and components.

1968-1971 - United States Air Force Office of Special Investigations, Clark Air Base Philippines, and Richards-Gebaur Air Force Base, Missouri. Conducted criminal, counter-intelligence and personnel security investigations for the Department of the Air Force.

1971-1972 - United States Air Force Office of Special Investigations Office, Federal Building, Scranton, Pennsylvania. Detachment Commander. Responsible for the management of investigative agents and administrative personnel involved in the supervision and conduct of personnel security, counter-intelligence and criminal investigations of concern to the United States Air Force in central and northeastern Pennsylvania.

Gerald A. Ellis - Continued

1972-1983 - Department of Defense Investigative Service. Field Office, Post Office Building, Allentown, Pennsylvania. Special Agent-in-Charge. Responsible for the management of multi-service unit of investigative agents and administrative personnel. Involved in supervision and conducting of personnel security and counter-intelligence investigations in the Southeastern portion of Pennsylvania.

1973-1975 - Security Police Squadron, Udorn Air Base, Thailand. Staff Superintendent. Key staff advisor to installation commander and Chief, Security Police on matters pertaining to the management of an 800-man police unit responsible for the policing and physical security of a major USAF installation in Southeast Asia. Developed programs and prepared plans for defense of the installation and protection of USAF resources.

1974-1976 - Security Police Squadron, Moody Air Force Base, Georgia. Superintendent, Police Administration and Reports Branch. Responsible for the management of base level police staff functions. Managed three sections including Pass and Identification, Reports and Analysis, and Information Security and Personnel Security. Prepared specifications for physical security alarm system and systems for internal security control programs. Prepared, managed, and inspected programs for the protection of sensitive material and the granting of security clearances and access to sensitive material. Responsible for the coordination of administrative correspondence between police agency and the base staff functions and other base agencies.

1976-1979 - Security Police Squadron, Moody Air Force Base Georgia. Superintendent, Police and Security Operations. Responsible for the operational management of police functions for Moody Air Force Base, Georgia, Managed 125 personnel. Controlled an operation with a $1,500,000 annual budget, Managed sections including Law Enforcement, Security Systems Investigations Training, Resources Protection, Crime Prevention, Budget and Equipment, and Confinement. Initiated and managed program relating to all aspects of police and security functions. Performed as key advisor to the Installation Commander on police and security matters. Prepared plans related to installation security, the protection of nuclear weapons, security contingencies, personnel entry control, riot control and civil disturbances, the security of USAF resources, and anti-terrorist activity. Planned, coordinated, and conducted base-level staff meetings on police and security matters. Prepared special plans for various contingencies concerning base activities.

1979 - 1980 Equitable Life Assurance Co. of United States, Valdosta, GA

Insurance Salesman - Reporting to the District Sales Manager. Involved in the sale of life, health, disability income, and pension insurance products to individuals and businesses.

Gerald A. Ellis - Continued

1981 - Present Mississippi Power & Light Co., Grand Gulf Nuclear Station
Jackson, MS

Plant Security Superintendent - Responsible for management of the Plant Security Section and development and implementation of the physical security plans required by 10CFR 73.55.

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Resume No. 44

Name: Ronald G. Williams

Birthdate: 1945

Formal Education and Training:

Four semesters at Clark County Community College, Las Vegas, Nevada toward a B.S. in Business Administration/Management
Job-Related: Management in a Multiracial Organization, EG&G (Las Vegas); Motivation and Discipline/Forward Look Performance Appraisal, Practical Management Association (Las Vegas); Planning Programming, and Budgeting Systems, Graduate School of Business Administration/University of Michigan (Ann Arbor); Financial Analysis Language, G.E. (Phoenix); Fundamentals of Finance and Accounting, American Management Research (San Francisco); Job Related Selection Tools, Biddle and Associates (Las Vegas); Effective Technical Communications Course, I. E. (Las Vegas); Clear Technical Writing, Center for Professional Advancement (Las Vegas); Executive Productivity Training, American Management Association (San Francisco); Foresight User Course, Department of Energy (Las Vegas); Management Training for Newly-Appointed Manager, Practical Management Associates (Los Angeles); Management by Objective, American Management Association (San Francisco).

Military: Warehousing and Property Control, Gunther, Georgia; NCO Preparatory School, Nellis AFB, Las Vegas, Nevada

Experience:

1964 - 1969 U.S. Air Force

Demand Processing Specialist, A3C to Sergeant - Duties included performing broad assignments within career field and interfacing with other interrelated groups and activities, i.e., procurement, inspection, warehousing, data processing, UNIVAC systems demand processing, bench stock, shipping and receiving, and quality control.

1968 - 1969 EG&G Nevada Test Site Administration, Las Vegas, Nevada

Senior Clerk/Logistics Section - Primary duties included records maintenance, equipment and property movement control within EG&G and the Atomic Energy Commission contract groups, inventorying, excessing, and interfacing with shipping and receiving, purchasing, property control, and data processing.

1969 - 1970 EG&G Nevada Test Site Administration, Las Vegas, Nevada

Assistant Field Administrator/Property Control-Logistics Supervisor - Primary duties included maintaining and controlling Field Operation records that dealt with loans, transfers, excessing, and equipment and property movements. Also planned, organized, scheduled, and supervised the work of subordinates.

Ronald G. Williams - Continued

1970 - 1972 Los Alamos Scientific Laboratory, Las Vegas Support Operations at the Nevada Test Site, Las Vegas, Nevada

Field Administrator/Administrative Supervisor - Primary duties included monitoring budgets and analyzing funded jobs; acting as administrative liaison between the U.S. Energy Research and Development Administration, the Los Alamos Scientific Laboratory, EG&G Accounting, program authorities, and other EG&G divisions; initiating and coordinating direct job authorizations, job initiators, job terminators, and cost transfers; monitoring programatic, organizational, and fabrication costs on a weekly basis; assembling field capital and M&S equipment requirements for submittal to ERDA; and coordinating equipment purchases. Additional responsibilities entailed assisting in wage and salary actions, AAP/EEOC Coordinator, Training Coordinator, and clerical personnel supervisor.

1977 - 1979 Los Alamos Scientific Laboratory, Las Vegas Support Operations at the Nevada Test Site, Las Vegas, Nevada

Primary duties included supervising clerical personnel and a technical writer; determining, initiating, controlling, monitoring, and analyzing the Operations' overhead budget, all directly and indirectly funded budgets, and the capital equipment and M&S expenditures for all departments within the Operations. Additional responsibilities entailed coordinating all administrative, technical, and clerical training for Operations personnel; acting as Equal Employment Opportunity Coordinator and implementing federal, state, and local Affirmative Action Program guidelines and policies within the Operations in this capacity; assisting in wage and salary actions; and making recommendations to upper-level management to ensure the fair treatment and recompense of all employees based on job-related experience, qualifications, and education. Duties and responsibilities required and called for continued interaction with a working knowledge of EG&G administrative and support service sections, including Accounting, Stores, and Finance functions; Industrial Relations; Property/Equipment Management; Document Control; Shipping and Receiving; Inspection and Quality Assurance; Safety and Security.

1979 - Present Mississippi Power & Light Company, Jackson, Mississippi

Office Services Superintendent at Grand Gulf Nuclear Station - The Office Services Superintendent is responsible for establishing and maintaining the plant records and document control system and providing various administrative services to the plant staff. The Office Services Section is under the direction of the Office Services Superintendent who reports to the Assistant Plant Manager, Support.

Resume No. 82

Name: Lonnie Franklin Daughtery

Birthdate: 1946

Formal Education and Training

International correspondence school course on Element's of Nuclear Energy
Naval Machinist Mate "A" School
Navy Nuclear Power School
Navy Nuclear Power Prototype
Engineering Laboratory Technician School
GE BWR-6 Nuclear Technology - Engineer's Course, 1980
Hinds Junior College - 1980-1981 - Night Classes - 12 Semester Hours

Experience

1965 - 1979 U.S. Navy

Nuclear Submarine Duty - Qualified all engineering watch stations through engineering watch supervisor.

Nuclear Steam Generator Inspection Team Leader Supervised the inspection team through two separate inspections.

Nuclear Inspector - Reviewed and approved all nuclear work packages and supervised performance of these repairs.

1979 - Present, Mississippi Power & Light

Quality Representative - Performed inspections, reviewed procedures and tests, specified inspection programs.

Senior Quality Respresentive - Performed inspections, reviewed procedures and tests, specified inspection programs.

Acting Plant Quality Superintendent - Directed all activities of the on-site Quality Assurance Program.

Compliance Superintendent - Responsible for directing the activities of the onsite Licensing group and Compliance group. Direct and review preparation of Licensee Event Reports, responses to NRC Violations and other Licensing matters.

Resume No.

Name: Ronald W. Brewer

Birthdate: March 14, 1946

Formal Education and Training:

Hinds Junior College, Basic Engineering and Drafting, 1966-1967
Brotherhood of Electrical Workers, Atlanta, GA, Basic Electrical Courses, 1968-1972
Hinds Junior College, Associate in Arts Degree, 1973-1975
University of Southern Mississippi, Bachelor of Science in Education, Major: Math & Reading, 1975-1977
University of Southern Mississippi, Bachelor of Science in Business Administration, Major: Accounting.

Experience:

1965 - 1967 R. G. Letourneau, Vicksburg, Mississippi

Welder - Welding Inspector and other general construction activities.

1967 - 1968 Construction work as a welder, millwright and electrician. Worked out of local union halls.

1968 - 1970 Commonwealth Electric, Atlanta, Georgia

Electrician and Lineman

1970 - 1972 R. H. Boulogny, Atlanta, Georgia

Lineman

1972 - 1979 School

Worked part-time as a cost estimator and accountant for ICC Industries, Inc.

1979 - 1981 I.C.C. Industries, Inc.

Manager of Accounting - Cost estimating and contracts. Developed and implemented their cost control and tracking system.

1981 - 1982 Perry Smith & Associates (C.P.A.'s)

1982 - Present Mississippi Power & Light Company

Accountant - Responsible for cost control and tracking of monetary funds. Reports to Assistant Plant Manager - Support.

Resume No.

Name: Michael Jay Wright

Birthdate: 1949

Formal Education and Training:

SRO Dresden Units 2 and 3 issued November 1976
SRO Dresden Unit issued November 1978
B.S. Nuclear Engineering, University of Wisconsin
BSA, Public Utilities and Transportation, May, 1973

Experience:

1973 - 1984 Commonwealth Edison Company

1973-1974 - Assigned to Dresden Unit 1 Technical Staff. Duties included responsibility for shipment of spent fuel to Nuclear Fuel Services, reconstitution of Unit One fuel, integrated leak rate test and various plant modifications. Also, assigned to the Quality Control Group for six months to supervise operating procedure preparation by General Physics Corporation.

1974-1976 - Dresden Quality Control Engineer Responsibilities included staffing of the Quality Control Department, development of procedures to comply with 10 CFR 50 Appendix B and preparation for ASME Certification audit. ASME Section III certification was granted to Dresden Station in February 1976. February 1976 to November 1976 entered NRC License Training program, including certification at the GE Boiling Water Reactor Training Center. An SRO license for Dresden Units 2 and 3 was issued in November, 1976.

1976-1977 - Licensed Shift Foreman Responsibilities included day to day supervision of shift operating personnel.

1977-1979 - Technical Staff Lead Engineer Responsibilities included supervision of Technical personnel in areas of Tech Spec changes, modification engineering, functional testing and outage related testing such as control rod drive acceptance testing, integrated and local leak rate testing and startup testing.

1979-1983 - Unit 3 Operating Engineer Responsibilities included near and long term planning and personnel management to assure efficient unit operation and effective management of refueling outages.

1983-1984 - Unit One Operating Engineer Responsibilities included overall coordination of decontamination of the Dresden Unit One primary system, replacement of the Plant

Michael Jay Wright - Continued

Process Computer, coordination of operating manpower and budgeting, and planning of the operating training program.

Feb. 1984 - Present Mississippi Power & Light Company - GGNS

Technical Assistant to Assistant Plant Manager - Operations. - Responsible for providing technical input and ensuring resolution of problems for the Operations Department.

Resume No. 23

Name: James Lee Robertson

Birthdate: 1952

Formal Education and Training:

B.S. Electrical Engineering, Mississippi State University, 1974
Basic Reactor Fundamentals, Memphis State University, 1976
Dresden BWR Technology, 1977
Dresden BWR Operator Training/SRO Certification, 1977
BWR Observation Training, 1977
GGNS Technology, 1978
GE Station Nuclear Engineer's Course, 1978
Nuclear Fire Fighting School, Texas A&M University, 1980

Experience:

1971 - 1974 Louisville & Nashville Railroad Company, Louisville, Kentucky

Student Engineer - Worked five semesters as a communications engineer on the Cooperative Education Program in the area of telephone and microwave system installation.

1975 - 1984 Mississippi Power & Light Company, Jackson, Mississippi

Shift Supervisor at Grand Gulf Nuclear Station, promoted to Shift Superintendent in January 1981 - Supervision of operators training for NRC Cold Licensing. Participated in Design Review of GGNS systems, review of licensing matters pertaining to these systems, writing procedures to support startup and operation of the Plant, and assisting in writing training material for GGNS systems. Participated in the refueling outage at the Vermont Yankee Nuclear Power Plant as an Operations Outage Coordinator, June-December 1980.

Operations Superintendent at Grand Gulf Nuclear Station Promoted to Operations Superintendent in 1984 - Responsible for all plant operations and Radwaste activities in accordance with the operating license, Technical Specifications, and written procedures. Provides supervision of operating personnel for preoperational testing, fuel loading, startup, and operational testing. He also provides the nucleus of emergency and fire-fighting teams. The Operations Superintendent provides Operations Section liaison and assistance necessary for coordination with other plant staff sections, enabling them to discharge their responsibilities to assure safe plant operation, proper conduct of surveillance activities, that other activities do not place the plant in an unsafe condition, and that operating activities are performed with consideration for radiological safety.

The Operations Superintendent has the responsibility to ensure that Grand Gulf Nuclear Station operating records and logs are properly prepared, reviewed, evaluated, and turned over to the Office Services Supervisor for maintenance as Quality Assurance Records.

James Lee Robertson - Continued

The Operations Superintendent establishes a method for issuing special orders to shift operations personnel.

Professional Memberships:

Registered Professional Engineer
Institute of Electrical and Electronic Engineers

Resume No. 85

Name: Fredrick A. Barron

Birthdate: 1952

Formal Education and Training:

B.S. Biology and Chemistry, University of Arkansas at Little Rock, December 1977.

M.S. Industrial Hygiene, University of North Carolina at Chapel Hill, August 1979.

Experience:

1976 - 1978 State of Arkansas, Department of Pollution Control & Ecology

Air Resources Specialist - Maintenance and calibration of monitoring equipment; stationary source sampling; investigation of complaints; visual inspection and review of compliance plans of major stationary sources of air pollutants; report writing.

1980 - 1981 Mobil Oil Corporation

Industrial Hygienist - Comprehensive industrial hygiene surveys of operating divisional facilities worldwide; review of contingency plans at facilities having potentially hazardous chemicals; comprehensive report writing and presentation of survey findings and recommendations to operations management; review of capital projects to determine areas with potential industrial hygiene problems; recommending engineering methods to control recognized hazards; evaluating effectiveness of installed engineering controls; developing industrial hygiene policies for operating divisions; developing monitoring protocol and procedures for industrial hygiene technicians; training technicians to maintain monitoring programs; staying abreast and informing management of health regulatory changes changes promulgated by OSHA, MSHA, NRC, and the Coast Guard; attending professional development courses to maintain current knowledge of technical and legal advancements in the occupational health profession.

1981 - 1983 Kaiser Aluminum and Chemical Corporation

Industrial Hygienist - Management of the industrial hygiene program for the Industrial Chemicals Division plants in the United States, involving maintenance of records resulting from evaluation of employee exposure to chemical substances and physical agents, designing engineering controls, developing respiratory and other protective equipment programs, developing training programs for employees pertaining to potential hazards in the work environment and safe work practices for reducing exposure to those hazards,

Fredrick A. Barron - Continued

routine communications with production management to keep them informed of the current status of industrial hygiene activities and changing legal requirements, comprehensive report writing subsequent to industrial hygiene surveys, review of capital investment projects in order to identify and eliminate industrial hygiene problems at the design stage, attending professional development courses in order to maintain current knowledge of technical and legal advancements in the occupational health profession, communication with the Medical Departments at the plants to ensure that employees are receiving proper medical surveillance, and the supervision of six industrial hygiene technicans.

1983 - Present Mississippi Power & Light Company, Jackson, Mississippi

Safety Coordinator - Establishing an occupational safety and health program in accordance with OSHA standards and regulations, which includes writing administrative procedures outlining the scope of the program and specific aspects of the program.

Resume No. 59

Name: Jerry C. Roberts

Birthdate: 1952

Formal Education and Training:

B.S. Nuclear Engineering, Mississippi State University
BWR Fundamentals (1-week course), General Electric Simulator
Grand Gulf Nuclear Station Technology, 5-Week Course in Preps for SRO, Hot License
Allis-Chalmers Power Systems I (ACPSI)
Limitorque Valve Operators Usage/Maintenance
Automatic Process Control for Engineers, University of South Florida
OSHA Cranes Lifting and Handling Regulations, Mississippi Power & Light Company
Station Nuclear Engineering Course
Radiation Area Working Training (Naval Nuclear Power Program)
Naval Nuclear Power Systems
Instruction Planning and Techniques

Experience:

1974 Georgia Power Company

Test Engineer - Responsible for review of systems in order to set instrumentation calibration logic checks and functional checks.

Preoperational Test Engineer - For completion of local leak rate testing to complete containment integrated leak rate test; developed and performed functional and logic checks of emergency diesel generator systems.

Fuel Loading Engineer - Alternated between refueling floor and control room to direct and verify fuel loading operations.

Startup Engineer - For initial criticality through five to ten percent power testing.

1974 - 1978 Ingalls Shipbuilding

Radiological Engineer - Responsible for the following duties to support the refueling and overhaul of nuclear submarines: Man-Rem Reduction Engineer; Radiological Work and Management/Organization Auditor; wrote and approved decontamination procedures, radioactive waste packing procedure, and radioactive liquid processing system design and operating manual; had overall radioactive liquid processing engineering responsibilities; wrote shipyard radiation emergency plan; engineer for performance of approval of detailed radiation shield survey results (lead on two submarines and supervised data reduction for one submarine). Prepared and conducted training of instrument operators, data recorders, and data reduction personnel for performance of shield survey.

Jerry C. Roberts - Continued

1978 - Present Mississippi Power & Light Company, Grand Gulf Nuclear Station

Startup Test Supervisor - Organized and issued Plant Startup Manual and participated in its writing; design review and correction of liquid and solid radioactive waste systems; preparation of liquid and solid radioactive waste systems, and containment integrated leak rate test preoperational test procedures; review of construction and acceptances of radioactive waste building and facilities; general engineering support to other Startup Test Supervisors and their systems.

Group Leader - Supervised startup engineers responsible for radwaste systems, integrated leak rate test (ILRT) and local leak rate test (LLRT), turbine systems, heating ventilation and air conditioning, residual heat removal, and BOP water systems.

Assistant Startup Supervisor - Reported to the Startup Supervisor. Provided assistance to the Startup Supervisor in the supervision of preoperational and acceptance programs.

Startup Supervisor - The Startup Supervisor reported to the Startup Manager and was responsible for supervision of the preoperational and acceptance test programs.

Technical Superintendent - Responsible for all plant staff engineering support. This includes shift technical advisors and reactor engineering, design and results engineering, maintenance engineering and planning, computer engineering and data processing, on-site licensing and reporting activities, and surveillance coordination to ensure soft unit operation and plant availability and capacity improvements.

Professional Memberships:

American Nuclear Society

Resume No.

Name: Michael C. Williams

Birthdate: 1951

Formal Education and Training:

B.S. Nuclear Engineering: Radiation Protection (minor) - Texas A&M University, 1973 (Scholastic Scholarship)

Certificate in General Management, American Management Association

Experience:

1973 - 1975 Duke Power Company Oconee Nuclear Station, Seneca, SC

Health Physics Supervisor - Supervised the Health Physics "Support Functions" group at Oconee. Supervised the HP Technicians in the areas of Shift HP coverage, Dosimetry, Waste Disposal, Computer Systems, Instrumentation, Decontamination, and Training (for HP Technicians and general plant).

Initially employed at Oconee as a Health Physicist, responsible for overall "Count Room" operational evaluation and guidance, and special projects, including: Determination of the efficiency of charcoal cartridges for iodine sampling, evaluation of plant process effluent monitors, neutron source calibration, ultrasonic decontamination, and determination of the fast neutron flux at the reactor coolant pump motors.

1975 - 1980 UNC Nuclear Industries - Hanford H. Reactor, Richland, Washington

Manager Radiological Engineering - Manager of a technical group of professional-level Health Physicists and Engineers, with management responsibilities in the areas of personnel exposure control (including ALARA), dosimetry, radiological engineering and design, radioactive material shipping and waste disposal, personnel and equipment decontamination, and emergency planning.

While at UNC, also held position as Sr. ALARA Engineer, and Certified Q.A. Engineer (Reactor Operations Quality Assurance). Also provided Health Physics consulting services to the UNC Commercial Liasion in the areas of Environmental Report Review, facility licensing, and contract proposal development.

1980 - 1983 Texas Utilities Generating Co. Comanche Peak Station - Glen Rose Texas

Senior Health Physics Engineer - Responsibilities included Bioassay and Dosimetry Program development and implementation, and overall responsibility for all Radiation Protection computer systems (3), including hardware, software, training, and program development.

Other responsibilities have included major Radiation Protection Program development in the areas of ALARA, Radioactive Waste Shipping and Handling, Respiratory Protection, and Radiation Protection Training. These responsibilities included overall program development and development of detailed implementing procedures.

Throughout employment at Comanche Peak, was directly involved in instrument selection, testing, procurement, and calibration. As part of responsibilities for instrumentation, designed and implemented construction of a calibration well-source facility, utilizing a 5000 Ci Cs-137 source.

1983 - Present Mississippi Power & Light Company, Jackson, Miss.

Chemistry and Rad Controls Superintendent at Grand Gulf Nuclear Station - Responsible for establishing and implementing the Grand Gulf Nuclear Station Chemistry and Radiation Protection and Environmental Monitoring Programs at GGNS. The Chemistry Section is responsible for directing all plant staff chemistry functions and reporting activities relating to the monitoring of plant processes and discharges. The Radiation Control Section is responsible for ensuring that personnel exposure to radiation and radioactive materials is within the guidelines of 10 CFR 20 and the ALARA program and that instructions to workers comply with 10 CFR 19. The Environmental Section is responsible for the radiological and non-radiological monitoring programs at GGNS in addition to maintaining compliance with state and federal environmental permits.

Professional:

American Nuclear Society
Health Physics Society
International Radiation Protection Association
Registered Professional Nuclear Engineer - Texas

Publications:

Title: Quality Assurance of Reactor Operation by Computer Methods

Published in: (1) Transaction of the American Nuclear Society Volume 23, June, 1976

Presented: Toronto, Canada - June, 1976

(2) Economic De L'Energie, Bulletin of Institut Economique et Juridique de l'Energie Universite des Sciences Sociales de Grenoble, France

Title: Radiation Exposure Usage Accountability and Impact with Respect to ALAP (ALARA) Analysis

Published in: Proceedings of NUCLEX '78 - Fifth International Fair and Technical Meetings of Nuclear Industries October, 1978

Presented: Basel, Switzerland - October, 1978

GG
FSAR

Resume No. 89

Name: Donald Merle Thomison

Birthdate: 1939

Education and Training:

100 Credits toward a BBA, Business Administration Major, Upper Iowa University, Fayette, Iowa
Senior Reactor Operation Certification, BWR-3, 1973
Senior Reactor Operator License, Dresden Units II and III, 1973
Kepner - Tragoe Management Training, 1974
U.S. Naval Nuclear Power Course, Mare Island, 1963
U.S. Naval Prototype Training, Idaho Falls, ID 1964
Engineering Laboratory Technician Course, Idaho Falls, ID 1964
Submarine School, 1964
Non-Destructive Examination, New London, CT, 1966
Fairbanks - Morse Diesel Engine, New London, CT, 1966
Many other miscellaneous hardware courses at New London, CT

Experience:

1962 - 1972 U.S. Navy

During approximately ten years in the Naval Nuclear Program, three years were spent as an instructor at the SIW prototype. The balance of this period was spent in the construction, startup, operation and maintenance of an SSW submarine. The highest qualifications attained were those associated with Engineering Officer of the Watch. The most responsible position held was Leading EOOW, Crew D, SIW.

1973 - 1977 General Electric Co.

1972-1974 Training Coordinator/Engineer. Responsible for the conduct of advance training assignments including Operator Certification courses, BWR Technology and Operator Retraining.

1973 Special Assignment. During a two month field assignment at Duane Arnold Energy Center, Palo, IA., the highest position attained was GE shift supervisor. Responsibilities included system operational tests including procedures and actual system startups, reactor vessel and associated systems hydrostatic tests.

1974-1975 Training Supervisor. Responsibilities included development of training programs and courses which included a 17 week Reactor Fundamentals Course and Instructor Training Course. Other responsibilities included supervising instructors presenting courses in the field and at the training center and acting for the Manager, BWRTC during absence.

1975-1977 Outage Manager. Responsibilities included outage preplanning including the development of a detailed critical path schedule, review and approval of procedures to be used in the repair, and maintenance and inspection of the Nuclear Steam Supply System.

Donald Merle Thomison - continued

Major evolutions included:

- Planning and procedure development for recovery from an irradiated fuel drop.
- Emergency repair of an inisolable reactor recirculation system leak with irradiated fuel in the reactor vessel
- Repair/replacement of damaged feedwater spargers
- Altering irradiated fuel bundle lower tie plates (drilling, using EDM techniques)

Also responsible for the coordination and direction of all General Electric Company personnel to accomplish assigned outage job scope.

1977 Project Manager. Improved Interference Fit Sparger. Responsibilities included the coordination of the design and manufacture of the subject sparger with development of a clad removal tool and techniques to permit economical sparger installation.

1977 - 1979 Exxon Nuclear Company

Administrative Unit Coordinator, Waterford Startup Group. Responsibilities included the direction of all personnel assigned to the unit and the coordination of administrative activities with other organizations. The major subgroups assigned included Document Control, Planning and Scheduling, Engineering Support and Document Production.

1979 - 1981 New York State Power Authority

Corporate Training Manager. Primary responsibilities include establishing specific goals and providing management direction to assure proper training performance. The attainment of this goal is in support of the safe and efficient operation of fossil, hydro and nuclear power plants.

1982 - Present Mississippi Power & Light Grand Gulf Nuclear Station

Manager of Planning, Scheduling and Outage. Responsible for the development and implementation of outage schedules and long range planning.

Resume No. 48

Name: Frederick H. Walsh, III

Birthdate: [redacted] 1946

Formal Education and Training:

B.S. Physics, Hampden-Sydney College, Hampden-Sydney, Virginia, 1969
GE/I&SE Field Engineering Program, 1969
GE/BWRPD Nuclear Instrumentation, 1970
GE/IBD Process Instrumentation, 1970
GE/I&SE Substation Power Equipment, 1972
GE/I&SE Large AC Motors & Generators, 1975
GE/I&SE Physics of Reactor Operations, 1975
Digital Equipment Corp, Programmable Controllers, 1976
GE/I&SE Kepner - Tragoe Geneo II, 1977
GE/I&SE Contract Administration, 1979

Experience:

1969 - 1981 General Electric Company

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Field Engineering Trainee - Filled various field and factory engineering trainee positions. Completed I&SE Field Engineering Program and attended Nuclear Instruction School in San Jose, California.

Field Engineer - Browns Ferry Nuclear Plant - Performed warranty work for General Electric Switchgear Department.

Field Engineer - Charlotte, North Carolina - Performed general electric and electronic field work; then began extended system startups of switchgear, drive systems, and process instrumentation.

Nuclear Field Engineer Startup Test Supervisor - Hatch Nuclear Plant Unit I - Responsible for initial checkout, startup, and preoperational testing of seven major plant systems. Hatch Unit II - Performed design review of Hatch II Radwaste System and recommended design changes which were incorporated prior to system construction. As Lead Radwaste Startup Test Supervisor, was responsible for ensuring correct system design, installation, and startup. Directed three other test engineers in the startup of the radwaste system, writing of operating procedures, review and performance of preoperational tests, and the integration of the radwaste systems into normal plant operation.

Frederick H. Walsh, III - Continued

Nuclear Field Engineer - Grand Gulf Nuclear Station - As Startup Test Supervisor, performed conceptual and detailed design of the first remote multiplexed data acquisition system to be installed at a nuclear power facility. The design of this system involved interfacing of the data acquisition hardware with all major plant systems in such a manner as to maintain all electrical and mechanical separation criteria.

1980 - Present Mississippi Power & Light Company, Jackson MS

Maintenance Engineering Supervisor - Grand Gulf Nuclear Station - Responsible for assuring engineering, planning, and scheduling support in all phases of maintenance activities.

Maintenance Superintendent - Supervises activities of electrical, mechanical, I&C, materials and maintenance engineering sections.

Resume No. 62

Name: Harold Blaine Watkins

Birthdate: 1933

Formal Education and Training:

Graduated Miami Sr. High School - 1951
Apprentice Electrician 1951-1955 - 4 years at Lindsley Hopkins Vocational (Night school state electrician apprentice program)
Journeyman Wireman - 1956
Attended various night trade school courses, including: high voltage, cable splicing, control design, hydraulic conduit bending, blueprint reading, electrical estimating and high-potential testing.
Navy - 2 years Aviation Electricians Mate; top 5% Aviation Electricians School, Jacksonville, Florida
N.E.C.A. electrical estimating classes - Miami, Florida (6 month)
N.E.C.A. National Electrical Code Classes - Miami, Florida (6 month)

License: Certificate of Competency, Dade County, Florida - Electrical Division #02B1-9734 - Valid through 1983.

Experience:

1967 - 1973

Held several positions with Bechtel and other companies contracting at Turkey Point and Dresden Nuclear Power Plants as well as non-nuclear contracting.

1974 - E.C. Ernst, Inc.

General Foreman, Florida Power & Light Company, Miami Florida - In charge of computer environment control, covering fire alarm, air conditioning system, standby generators and UPS system for computer room. Job scope was installation and startup.

1975 - 1976 International Electrical Company

1975 - Project Superintendent - Maule Cement Plant, Miami, Florida - Superintendent for 5 million overland conveyor system, including installation, startup, design changes, material procurement, and labor coordination. Job size was approximately 5 million dollars electrical.

1976 - Project Superintendent - Demopolis Cement Plant, Demopolis, Alabama - In charge of new additions which consisted of new precipitator and 4 storage silos. Electrical scope of job, controls, instrumentation, power and communications.

Project Superintendent - Hudson Paper Mill, Palatka, Florida - In charge of new addition of recovery boiler and precipitator.

Harold Blaine Watkins - Continued

1977 - 1978 E. C. Ernst, Inc.

1977 - Project Superintendent - Potlatch Pulp and Paper Plant, McGehee, Arkansas - Included total job supervision, labor relations, scheduling and material procurement and payroll. Direct supervision in startup of paper machine and oil-fired power house, including recovery boiler. In charge of a sizable field office staff and six electrical supervisors, two field engineers. Job manpowr peak - 500 journeyman electricians.

1978 - Project Engineer - South Central Bell Computer Center, New Orleans, LA - Included startup of all systems, including standby generators and UPS system for computers, all field changes and modifications, including estimating material procurement and design coordination with South Central Bell Engineering. Job size approximately 2 million dollars electrical.

1979 - 1980 Bechtel Corporation

Start Up Assistant Grand Gulf Nuclear Station, Port Gibsion, MS. Familiarization with PGCC design and the following components used in PGCC. Ronan Annunciation, optical isolators, digital isolators, trip units and various recorders and controllers; also with the proper procedures for documenting maintenance changes such as cable repairs, separation of divisions, retermination of connections, modifications of equipment N19-N71-R20-R21, MOVs setting and maintenance of Limitorque and Siemens electric actuators. Startup and maintenance of 480V MCCs including testing of breakers and setting of overloading Startup and Maintenance of high voltage switch hear, Magna Blast type, including breaker testing.

1980 - 1982 General Electric Company

1980-1981 Spare Parts Evaluator - A.T.S., Grand Gulf Nuclear Station, Port Gibson, MS. Evaluation of vendor manuals and recommendation of spare parts purchased for permanent plant equipment.

1981-1982 Start Up Engineer and Level III Inspector Grand Gulf Nuclear Station, Port Gibson, MS. Evaluation of problems and writing FDDRs and PGCC.

1982 - Present Mississippi Power & Light Co., Jackson, MS

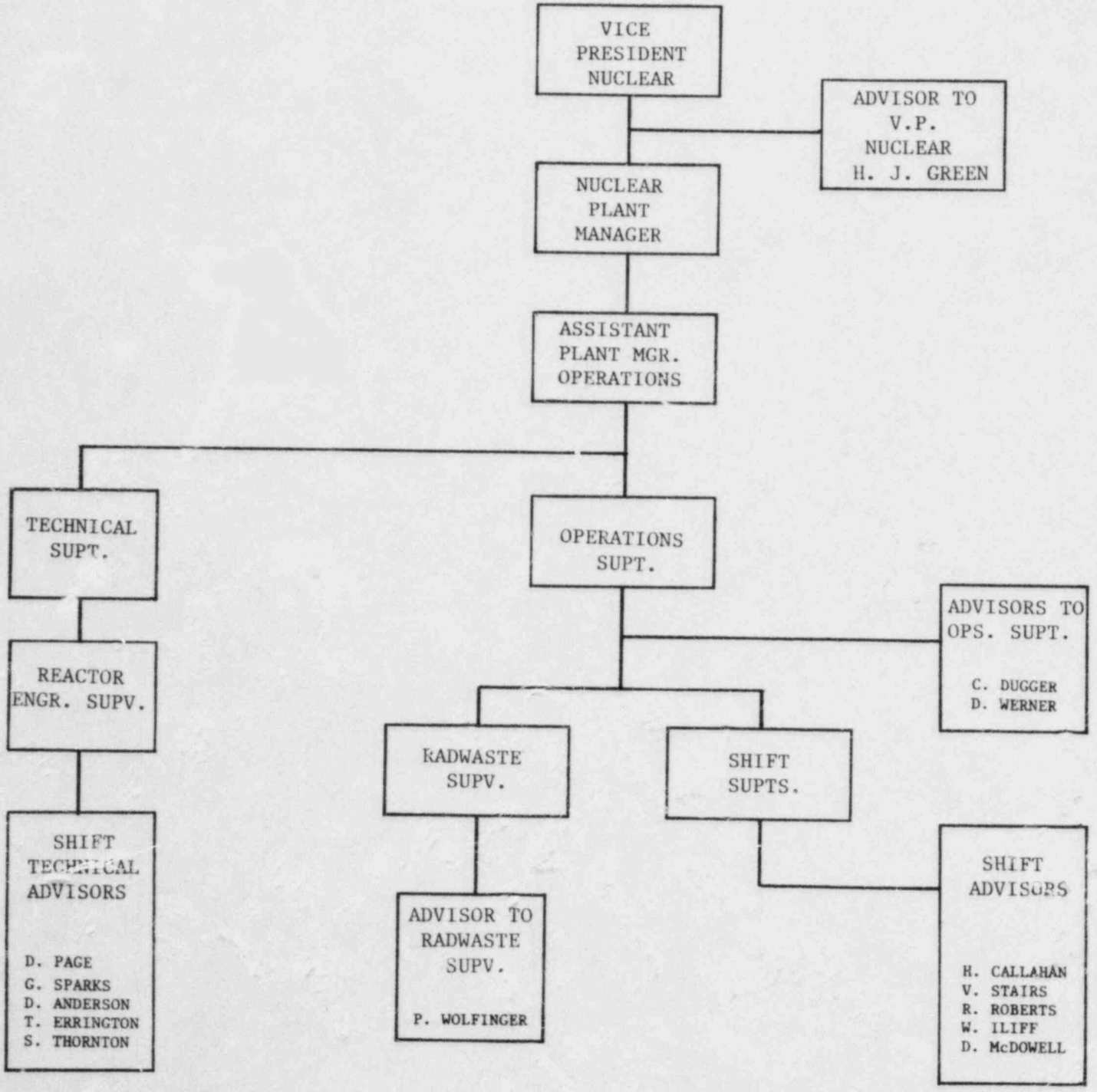
Contract Supervisor Grand Gulf Nuclear Station, Port Gibson, MS. Coordinate with site personnel and Contract Administration personnel in Jackson, MS, as required in order to establish contract services. Develop work order wording to accomplish desired goals of the requested departments requiring contract services. Ascertain that

Harold Blaine Watkins - Continued

contract wording meets the needs of the Company's goals and includes desired protections for the Company. Prepare requisitions and backup information as necessay to project and justify expense of contract services. Assists in evaluating bid proposals for contract services. Monitors contract performance according to terms and conditions. Prepares reports to management regarding contract activities. Prepares annual budgets for the maintenance and contracts departments. Supervises clerical employees. Originates internal and external correspondence as required. Coordinates work schedules and labor of subcontractors on site. Verifies that invoices are billed correctly and implements corrective action, if necessary.

GRAND GULF UNIT 1
TECHNICAL ADVISORY STAFF

Enclosed is an organization chart depicting the principal technical advisory personnel currently assigned to the Grand Gulf Unit 1 staff. Resumes of all advisory personnel shown are also included.


VICE PRESIDENT NUCLEAR
ADVISOR TO V.P. NUCLEAR H. J. GREEN
NUCLEAR PLANT MANAGER
ASSISTANT PLANT MGR. OPERATIONS
TECHNICAL SUPT.
OPERATIONS SUPT.
ADVISORS TO OPS. SUPT.
C. DUGGER
D. WERNER
REACTOR ENGR. SUPV.
RADWASTE SUPV.
SHIFT SUPTS.
SHIFT TECHNICAL ADVISORS
D. PAGE
G. SPARKS
D. ANDERSON
T. ERRINGTON
S. THORNTON
ADVISOR TO RADWASTE SUPV.
P. WOLFINGER
SHIFT ADVISORS
H. CALLAHAN
V. STAIRS
R. ROBERTS
W. ILIFF
D. McDOWELL

Resume No. 80

Name: Harry J. Green

Birthdate: 1926

Formal Education and Training:

Davis and Elkins College 1946-1948
Four semesters - Engineering

West Virginia University 1948-1949
Two semesters - Mechanical Engineering

United States Naval Academy 1949-1953
BS in Engineering

U.S. Naval Advanced Nuclear Power School 1958

Experience:

1953 - 1961 United States Navy

June 1953 - July 1958 - Served in various line officer capacities on both surface ships and in diesel-electric power submarines.

July 1958 - February 1961 - U.S. Navy, including Nuclear Submarine Program. Served as Electrical Officer and Reactor Control Officer on the nuclear-powered submarine, U.S.S. Skipjack, and as Chief Operator and Instructor at the Submarine Nuclear Plant Prototype, located at Knolls Atomic Power Lab.

1961 - 1983 Tennessee Valley Authority

March 1961 - September 1963 - Assistant to Nuclear Plant Superintendent, Experimental Gas-Cooled Reactor. Assisted the Nuclear Plant Superintendent in directing and coordinating the operation and maintenance of the Experimental Gas-Cooled Reactor.

September 1963 - April 1966 - Nuclear Plant Superintendent, Experimental Gas-Cooled Reactor. Responsible for all phases of operation and maintenance, including the training of the operating and maintenance employees.

July 1966 - October 1968 - Assistant Power Plant Superintendent, Gallatin Steam Plant. Assistant Superintendent of a 4-unit 945-megawatt coal-fired generating plant located at Gallatin, Tennessee.

October 1968 - September 1971 - Assistant Power Plant Superintendent, Browns Ferry Nuclear Plant. Assisted the Plant Superintendent in carrying out his responsibilities.

Harry J. Green - Continued

September 1971 - June 1977 - Power Plant Superintendent, Browns Ferry Nuclear Plant. Responsible for staffing, training, plant startup, and the operation and maintenance of the Browns Ferry Nuclear Plant -- a 3-unit, 3,294-megawatt generating plant equipped with General Electric boiling water reactors and turbogenerators.

June 1977 - July 1979 - Chief, Nuclear Generation Branch. Through the nuclear plant superintendents was responsible for all of the nuclear plants and their appurtenant facilities in the TVA power system.

July 1979 - November 1980 - Assistant Manager, Power Operations. Assisted the Manager of Power Operations whose responsibility included coordinating the operation and maintenance of a 31,000-MW electric generation and distribution system.

November 1980 - December 1983 - Director of Nuclear Power. Administered those activities necessary to ensure the safe, efficient, and environmentally sound operation and maintenance of the TVA nuclear generating plants and appurtenant facilities.

January 1984 - Present - Consultant

Consultant for Grand Gulf Nuclear Station. Advises the Vice President - Nuclear and other executive personnel on matters concerning BWR operations.

Professional Memberships:

American Nuclear Society
National Management Association

Resume No. 36

Name: Danny Lavelle Pace

Birthdate: 1955

Formal Education and Training:

B.S. Nuclear Engineering, Mississippi State University, 1977
N.U.S. Power Plant Principles, 1977
MSU Reactor Fundamentals, 1978
GE BWR Fundamentals, 1978
GGNS Technology Course, 1978
Startup Station Nuclear Engineering, GE, 1978
Process Instrumentation and Controls, Florida State, 1979
Byron Jackson Pumps Seminar, 1979
Limitorque Valve Actuator Seminar, 1979
Bechtel Software Training, 1979
IRD Mechanalysis Vibration Monitoring, 1979
MP&L Supervisors Training, 1980
Zytron Operators Training, 1980
GGNS Technology Course, 1980
GE Station Nuclear Engineering Course, 1980

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Experience:

1977 - Present Mississippi Power & Light Company, Jackson, Mississippi

Startup Engineer - Included initial training program and drafting Grand Gulf System Descriptions.

Startup Test Supervisor - Assigned to the E. I. Hatch Plant, Baxley, Georgia. Activities included component and preoperational testing of the feedwater, reactor water cleanup, and some turbine systems. Supervised the receipt and inspection of the initial core load for Hatch Unit II.

Startup Test Supervisor - Participated in the development of the GGNS Startup Manual. Wrote Preoperational Test Procedures for feedwater, high pressure core spray, standby gas treatment system, and fire protection system. Performed preoperational testing of the fire protection system.

Danny Lavelle Pace - Continued

Shift Technical Advisor at Grand Gulf Nuclear Station - Responsible for assisting the shift operations complement and advising the Shift Superintendent on the condition of his critical operating parameters and the reactor plant during transient conditions. Perform Reactor Engineering duties as required on shift.

The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions.

Resume No. 90

Name: Gregory Layne Sparks

Birthdate: 1955

Formal Education and Training:

A.A., Pre-Engineering, Northeast Mississippi Junior College, Booneville, Mississippi, 1975
B.S., Nuclear Engineering, Mississippi State University, 1977
U.S. Navy Officer's Nuclear Power School, 1978
Qualified Engineering Officer of the Watch, S7G Naval Prototype, Ballston SPA, New York, 1978
Qualified Engineering Officer of the Watch, USS Haddo (SSN604), 1980
Grand Gulf Nuclear Station Systems Technology Course, GGNS, 1982
GE Station Nuclear Engineering Course, San Jose, CA, 1982

Experience:

1975 - 1982 U.S. Navy

Ships Electrical Officer - Supervised corrective and preventive maintenance of all nuclear and non-nuclear electrical equipment. Supervised the training and qualification of divisional personnel.

Communications Officer - Supervised the operation and maintenance of all communications equipment.

Electronics Material Officer - Supervised the operation and maintenance of all navigational electronics and ESM equipment.

Damage Control Officer/QA Officer - Responsible for operation and Maintenance of all non-propulsion mechanical and fluid systems including the emergency diesel generator. Responsible for implementation of the ship's Quality Assurance program.

EOOW/EDO - Senior Watch Stander in the engineering plant during operations and maintenance. Responsible for proper operations and maintenance of the nuclear plant.

O.O.D./S.D.O. - Senior Watch Stander on ship, responsible for safe conduct of ship operations and maintenance.

1982 - Present, GGNS, Mississippi Power & Light, Jackson, MS

Shift Technical Advisor at Grand Gulf Nuclear Station - Responsible for assisting the Shift Operations complement and advising the Shift Superintendent on the condition of his critical operating parameters and the Reactor Plant during transient conditions. Perform Reactor Engineering duties as required on shift.

The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions.

Resume No.

Name: Dennis R. Anderson

Birthdate: June 7, 1955

Formal Education and Training:

B.S. Mechanical Engineering, Mississippi State University, 1979
GGNS Technology, 1983
GE Station Nuclear Engineering Course, 1983
Mitigating Core Damage Course, 1983
MP&L Supervisors Training Course, 1983
GGNS Simulator Training Course, 1983
GE Abnormal Event Analysis Course, 1984
Certified STA, 1984

Experience:

1974 - 1977 Chicago Bridge & Iron Nuclear Co., Memphis, Tenn.

Student Engineer - Assigned to Production Dept. and worked in the following areas; Fit and Weld Shop, Document Control, Non-Destructive Evaluation, Fabrication Shop, and Plant Enhancement Engineering.

1979 - Present Mississippi Power & Light Co., Jackson, Mississippi

Plant Engineer - Assigned to Natchez Steam Electric Station. Plant Engineer responsible for operation reporting requirements and trending plant and systems performances. Involved in maintenance projects as Project Engineer to coordinate and oversee contract and plant personnel efforts.

Startup Engineer - Participated in system start-ups at GGNS. Systems involved with Startup include; Control Rod Drive System, Offgas System, Process Sampling System, and Liquid Radwaste System.

Shift Technical Advisor - Responsible for assisting the shift operations complement and advising the Shift Superintendent on the condition of his critical operating parameters and the reactor plant during transient conditions. Perform Reactor Engineering duties as required on shift.

The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions.

Resume No.

Name: Robert T. Errington

Birthdate: March 27, 1955

Formal Education and Training:

A.A. Copiah-Lincoln Junior College, 1976
B.S. Nuclear Engineering, Mississippi State University, 1979
GGNS Technology Course, 1983
MP&L Supervisory Training, 1983
GE Station Nuclear Engineering Course, 1983
GE Abnormal Events Analysis, 1983
Mitigating Core Damage Course, 1983
STA Simulator Training, 1983
STA Certified, 1984

Experience:

1979 - Present Mississippi Power & Light Company, Jackson, Mississippi

Licensing Engineering - Included coordinating responses to IE Information Notices, Circulars and Bulletins. Reviewing FSAR Changes, etc. for Grand Gulf Nuclear Station.

Technical Engineer at Grand Gulf Nuclear Station - Included monitoring system performances, recommending system improvements, incorporating system design changes and testing. Coordinated and implemented Control Room Human Factors Design Review.

Startup Engineer at Grand Gulf Nuclear Station - Performed various system tests and review of Pre-operational Test results.

Shift Technical Advisor at Grand Gulf Nuclear Station - Responsible for assisting the Shift Operations complement and advising the Shift Superintendent on the condition of his critical operating parameters and the Reactor Plant during transient conditions. Perform Reactor Engineering duties as required on shift.

The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions.

Resume No.

Name: Steve C. Thornton

Birthdate: 1958

Formal Education and Training

B.S. Nuclear Engineering, Mississippi State University 1981
Westinghouse PWR Operating Training Short Course
MP&L Shift Technical Advisor Certification Training

Experience:

1982 - 1983 Houston Lighting and Power

Responsible for writing reactor systems initial startup procedures as a Reactor Engineer at Houston Lighting & Power South Texas Nuclear Project.

1983 - Present Mississippi Power & Light Company, Jackson, Mississippi

Reliability Engineer in Nuclear Plant Engineering - Operational Analysis Section - Responsible for safety reviews on industry documents, developing plant system reliability programs and evaluating plant startup test data.

Shift Technical Advisor at Grand Gulf Nuclear Station - Responsible for assisting the Shift Operations complement and advising the Shift Superintendent on the condition of his critical operating parameters and the Reactor Plant during transient conditions. Perform Reactor Engineering duties as required on shift.

The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions.

GG
FSAR

Resume No. 74

Name: Charles M. Dugger

Birthdate: 1950

Formal Education and Other Training:

Hinds Junior College, general studies
Southeastern Illinois College, Chemistry Major
U.S. Navy Nuclear Power School
Various Navy technical schools

Licensed Senior Reactor Operator, Brunswick Steam Electric Plant

Experience:

1971 - 1976 U.S. Navy, San Diego, California, USS Scamp SSN (588)

Served as a member of the Electrical Division. Qualified all engineering watch stations. Served as the leading first class Petty Officer.

1976 - 1980 Carolina Power & Light Company

Senior Reactor Operator. Served as Shift Supervisor in charge of both Brunswick units and as a Radwaste Supervisor coordinating process waste. Received Reactor Operators License in May, 1977 and Senior Reactor Operators License in June, 1978.

1980 - Present Quadrex Corporation, Tulsa, Oklahoma

1980-1981 - Developed system operating instruction, off-normal event procedures, integrated operating procedures, surveillance procedures, annunciator response instruction and special test instruction for GGNS.

1981-1982 - Provided administrative support to the startup test group. Provided support as a shift test coordinator.

1982-1983 - On-shift advisor to the shift superintendent.

1983-Present - Providing administrative support to the Operation Superintendent as an acting Operations Assistant.

Resume No. 35

Name: David E. Werner

Birthdate: 1952

Formal Education and Training:

High School Graduate
Machinist Mate A School II B
Machinist Mate A School II A
Navy Nuclear Power School
Quality Assurance School
Diesel Maintenance School
BWR Technology, Morris, Illinois
BWR Simulator, Morris, Illinois
Senior Reactor Operator at Cooper Nuclear Station
Grand Gulf BWR Technology

Experience:

1978 - 1982 Nebraska Public Power District

1978 - 1980

Plant Operator, performing normal plant operational duties including surveillance test and equipment checks.

1980 - 1982 Unit II operator at Cooper Nuclear Station, Nebraska Public Power District

Performed normal plant operational duties, including surveillance procedures, plant startups and shutdown, participated in four refueling outages and was lead mechanic for the main turbine inspection and repair. Received Reactor Operators License, April 14, 1980. Received Senior Reactor Operators License, December 21, 1981.

1982 Senior Training Specialist, Resource Technical Services

Providing training to operators on plant procedures and developing instructors guides and examination question banks at Fermi II, 1982.

1982 - Present Quadrex Corporation, Tulsa, Oklahoma

1982 - 1983 Consultant to the Operations Shift Superintendent

Providing previous Senior Reactor Operator experience to operations personnel at Grand Gulf Nuclear Station.

1983 - Present Acting Operations Assistant

Assistant duties include Operation Surveillance Scheduler. Re-writing operations surveillance, alternate member PSRC, and Duty Operations Manager.

GG
FSAR
Resume No. 93

Name: Pete Wolfinger

Birthdate: 1946

Formal Education and Other Training:

Nuclear Power Plant Operator Training. Georgia Institute of Technology
BWR Simulator and SRO certification, Morris, Illinois
BWR Observation Training
Technical Writing, Georgia Power Co.
Line Management School Georgia Power Co.
Senior Reactor Operator SOP-2143
Certification Docket No. 55-4399

Experience:

1967 - 1979 Georgia Power Company

1967-1971 Equipment/Assistant Boiler-Turbine Operator: Participated in operational activities during construction of two 500 Megawatt, "once-through," supercritical fossil fuel units. Operated systems and control boards through flushing, preoperational testing, and the Startup Program. Operated steam driven Boiler Feed Pumps, Precipitator equipment, Pulverizers, Polishing Demineralizers, and other equipment standard to coal fired units. Also gained experience operating six other coal fired units.

1971-1973 Nuclear Plant Operator, Edwin J. Hatch Nuclear Station: Reviewed Piping and Instrumentation Diagrams, and Flushing prints and procedures for possible errors or operational problems Compiled "fact sheets" for Nuclear Steam Supply and balance of Plant system. Was selected to draw simplified Piping and Instrumentation Diagrams because of drafting ability. Monitored systems construction for possible operating problems and initiated design changes in areas where problems were found. Participated in writing Operating, Annuciator Response, and Emergency procedures. Promoted to Shift Foreman and obtained a Senior Reactor Operator's license before the initial fuel loading of the first unit.

1973-1978 Shift Foreman: Responsible for supervising the operation of Units 1 and 2 Edwin Hatch Nuclear Station during flushing, preoperational testing, fuel loading and startup testing. Supervised the Operating crew on shift. Responsible for clearing equipment for maintenance and outage activities. Initiated design changes to improve systems operation in problem area. Responsible for troubleshooting immediate and potential problems requiring in depth knowledge of Plant systems and system to system interface. Established and directed a Training Program dealing with the basis of Nuclear Power Plant operation for the new Operators on second unit.

Pete Wolfinger - Continued

Participated in writing, review, and revision of Operating, Abnormal Operating, Annunciator Response, and Emergency procedures. This position required obtaining a "cold" Senior Reactor Operator's license for initial fuel loading on each unit.

1978-1979 Shift Supervisor - Held overall responsibility for both Nuclear units. Responsible for coordinating activities between Departments during the Startup test program, normal operation, and outages. Responsible for supervising the operation of the Radwaste facility during the startup of second unit. Made "on the spot" decisions concerning Plant operation, transients, procedure and Technical Specification interpretation, and equipment problems. Supervising Plant operation during preoperational testing and the Startup Program required knowledge of system design, logic, and operating characteristics. Reviewed operation of Nuclear Steam Supply and Support systems to determine where design changes were necessary. This position required holding a Senior Reactor Operator's license.

1979-1980 Startup Engineer - Initially assigned to the Construction Test Group with the responsibility for Flushing, Hydrostatic Testing, and Construction Assurance Testing of Primary Systems. Later transferred to the joint startup group and was assigned as Startup Engineer for numerous systems. Responsibilities here included performing Preoperational Testing and training of plant operators, mechanics, chemists, and electricians. Participated in "Cold Hydro;" Steam Generator Hydro, and preparation for "Hot Functional."

1980 - 1981 Unit Engineers and Constructors, Inc.

1980-1981 Startup Engineer - Assigned to a 600 MWE Canadian D_2O Candu Reactor, responsible for hydrostatic testing, flushing, and startup testing of the heat transport purification system and participated in subsequent fix. Compiled model commissioning package for the heat transport startup group. Responsible for writing commissioning reports and system documentation. Wrote tests as applicable for the main heat transport system.

1981 - Present Mid Continent Systems Corporation

Supervisory Service Engineer - provides assistance to the operations group at the Grand Gulf Nuclear Station. Serves as BWR experienced advisor to the Radwaste Supervisor.

Resume No. 32

Name: Hugh L. Callahan

Birthdate: May 12, 1942

Formal Education and Training:

High School graduate
USN schools: Interior communications "A"
Submarine School
Nuclear Power School and Prototype
Participating in ongoing approved requalification course both on site and at G.E. Simulator in Morris, Ill. (Annually) Courses in management and labor relations at Rutgers and Princeton. Have obtained 114 credits towards a degree in Physics.

Experience:

1965 - 1968 U. S. Navy

Reactor Operator and Shutdown Area Maneuvering Watch
S5W plants - USN Nuclear Submarines

1969 - 1983 - Jersey Central Power & Light Company

1969 - 1970

Equipment Operator "B", responsible for safe operation of plant systems.

1970 - 1973

Control Room Operator "B", assisted CRO "A" in the performance of his duties. Obtained Reactor Operator License November, 1970.

1973 - 1977

Control Room Operator "A", responsible for operating all reactor, turbine-generator and aux. controls at Oyster Creek Nuclear Generating Station including high voltage sub-station switching.

1977 - 1978

Group Operating Supervisor, assisted Group Shift Supervisor in the performance of his duties.

1978 - 1983

Group Shift Supervisor - Nuclear, responsible for supervising the safe and efficient operation of the 1930 MW_t BWR plant (Oyster Creek, N.J.) including refueling activities, review of plant procedures, plant radiation work permits, on-shift training for licensed and non-licensed staff members and operators, and scheduling operators to assure proper plant staffing. In the event of any plant emergency act as the Emergency Duty Officer. Interface

Hugh L. Callahan - Continued

with the on site USNRC inspector. Maintain a USNRC Senior Reactor Operator License and a State of New Jersey Second Class Nuclear Engineer License. Have held SRO license since December, 1977.

1983 - Present - Quadrex Corporation, Tulsa, Oklahoma

Consultant to the Grand Gulf Nuclear Station Operations Shift Superintendent, providing previous Senior Reactor Operator experience to operations personnel at Grand Gulf Nuclear Station.

Resume No.

Name: Vern W. Stairs

Birthdate: 1951

Formal Education and Training:

MP&L courses required to be qualified as an On-Shift Advisor
Continually working towards a degree in Electrical Engineering.
Presently attending Hinds Junior College, Vicksburg, MS
Utility courses and simulator training required to obtain a BWR SRO License
STA training for SRO License at GE's BWR simulator
U.S. Navy
- Nuclear Power Training Unit (prototype)
- Nuclear Power School
- Electronics Technician "A" School

Experience:

1970 - 1976 U.S. Navy

Electronics Technician assigned to Reactor Controls Division on nuclear fast attack submarine USS Finback (SSH 670). Qualified reactor operator and shutdown maneuvering area watch. Responsible for preservation, maintenance, and operation of all reactor control equipment.

Electronics Technician assigned to USS Sacramento (AOE 1). Performed preventive and corrective maintenance on radar equipment.

1976 - 1982 Nebraska Public Power District, Brownville, Nebraska

Control Room Operator - Four years as a Control Room Operator with an SRO License, one year as a Junior Control Room Operator and three years as a Senior Control Room Operator. Responsible for the safe operation of all reactor and station equipment, and for directing the activities of licensed and unlicensed operators. Participated in, or directed the refueling activities during seven refueling outages. On an infrequent basis, stood duty as a Shift Supervisor. Also qualified as, and stood duty as, a Shift Technical Advisor.

Station Operator - Two years as a Station Operator. Responsible for operation and maintenance of all plant equipment remote from control room. Also proficient in operation of water plant and radwaste systems. Selected in December, 1977 for license training. Took both RO and SRO license exams in April, 1978 and received an SRO License.

Vern W. Stairs - Continued

1982 - 1983 Resource Technical Services, Toledo, Ohio

Senior Specialist assigned to Detroit Edison's Enrico Fermi Atomic Power Plant Unit 2. Provided support services to Nuclear Production, Operations Section. Wrote plant startup, shutdown, and power operation procedures. Supplied technical assistance to NUS Corporation procedure writers. Conducted a pre-INPO audit readiness review of the Operations Section.

1984 - Present Quadrex Corporation, Tulsa, Oklahoma

Senior Service Engineer A in Quadrex's Training Services Department currently assigned to Mississippi Power & Light Company's Grand Gulf Nuclear Station. Instructs licensed operators and license candidates utilizing Mississippi Power & Light Company site specific simulator. Instructs in a classroom setting on a less frequent basis. Qualified as a Shift Advisor per Mississippi Power & Light Company's Shift Advisor qualification standards. Presently assigned as a Shift Advisor reporting to the Shift Superintendent.

Resume No. 26

Name: Raymond R. Roberts, Jr.

Birthdate: 1935

Education and Training:

Iowa Electric Light & Power Co., DAEC
- SRO License Training
- RO License Training
- On-site review and training
- Observation training at operating reactor (Iowa State University)
- Management Seminars by Iowa University

General Electric Company
- BWR Operator Training for cold licensing
- BWR Technology

U.S. Navy
- Instructor Training Course
- Special Nuclear Power Training program
  (Westinghouse S5W Reactor at Bettis Atomic Power Laboratory)
- Advanced Nuclear Power School
- Basic Nuclear Power School

Experience:

1952 - 1972 U. S. Navy

1961-1968 Nuclear Powered Polaris Submarines, Senior Engineering Non-Commissioned Officer - Qualified Engineering Watch Supervisor. Directly responsible for inspecting, testing, and accepting the electrical power distribution system of three nuclear powered submarines under construction. Supervised the operation of a naval nuclear power plant. Participated in three initial startups of naval submarine nuclear power plants. Directed the preventive and corrective maintenance on associated electrical components. Planned, supervised, and conducted on-the-job training for all electrical operators. Conducted power plant training for all nuclear operators.

1968-1972 U.S. Naval Submarine School, Groton, Conn. Senior Instructor (Master Chief Electricians Mate) - Senior electrical advisor to nuclear-trained officers qualifying for Chief Engineer. Chief instructor in the Officer's Basic Submarine Training Program.

1969 - 1972 Wyre Wynd, Inc., Jewett City, Conn.

Shift Supervisor - Responsible for Quality Control and stranding operations of wire produced.

Raymond R. Roberts, Jr. - continued

1972 - 1983 Duane Arnold Energy Center, Palo, Iowa

1972-1978 Reactor Operating Engineer - Initial startup and operation of DAEC Unit 1 Nuclear Power Plant. Responsible for adhering to operating procedures for startup, shutdown and power changes as the Shift Supervising Engineer directed. Participated in initial core loading, low power physics testing, fuel inspection, subsequent defueling and refueling operations as well as line-up systems for operation or maintenance. Other responsibilities included review and revision of all normal, abnormal, emergency and Special Test procedures, submitting design change requests and physically maneuvering the plant controls during normal and abnormal operating conditions. Received Reactor Operators License in 1972 and Senior Reactor Operators License in 1975.

1978-1983 Operations Shift Supervisor - Responsible for the overall operation of DAEC Unit I. Responsibilities included coordination of inter-departmental activities during plant operations, supervision of plant recovery from transients and abnormal conditions, and reviewing Operations Procedures and practices for plant betterment. Refueling outage responsibilities included overall coordination of outage crew and equipment, supervising fuel moves, reviewing and revising refueling programs, scheduling activities to shorten outage times and approving all work activity prior to commencement. Other responsibilities included training of plant personnel in preparation for NRC licensing, conducting special testing during system or plant modification as well as providing technical guidance to other departments as part of the Operations Review Committee.

1983 - Present Quadrex Corporation, Tulsa, Oklahoma

Consultant to the Operations Shift Superintendent, providing previous Senior Reactor Operator experience to operations personnel at Grand Gulf Nuclear Station.

Resume No. 75

Name: William S. Iliff

Birthdate: 1950

Education and Training:

B.S. Peru State College, Peru, Nebraska
BWR Technology, Morris, Illinois
BWR Simulator, Morris, Illinois
GE DEH Operations Training
Nuclear Fuel Inspection Training
NRC Reactor Operators License
NRC Senior Reactor Operators License

Experience:

1972 - 1981 Nebraska Public Power District, Brownsville, Nebraska - Cooper Nuclear Station (BWR)

Engineering Assistant (1972-1973) - Responsible for procedure preparation and review during construction and startup of Cooper Nuclear Station. Performed engineering reviews on various systems, startup testing, and vessel internal assembly.

Plant Operator (1973-1975) - Responsible for routine checks of plant equipment. Performed surveillance on balance of plant equipment. Obtained Reactor Operators License, April 1975.

Unit Operator II (1975-1977) - Performed normal plant operational duties including surveillance procedures, plant startup, and shutdown. Directly responsible for control room activities and four other operators.

Unit Operator I (1977-1981) (Equivalent to Shift Supervisor at GGNS) - Responsible for safe and efficient plant operations and all activities performed on site. Duties consisted of crew leadership, administration, and plant responsibility. Obtained Senior Reactor Operator's License, August 1977.

1981 - Present Quadrex Corporation, Tulsa, Oklahoma

Supervisory Service Engineer - Responsible for providing consulting engineering services to various utility clients in south-central U.S. Assigned as BWR experienced shift advisor during startup operation of GGNS Unit 1.

Mr. Iliff has been involved in six refueling outages, and in three of these he was in direct charge of refueling activities.

Resume No. 73

Name: Donnie R. McDowell

Birthdate: 1948

Formal Education and Training:

High School Graduate
12 week BWR Technology, Morris, Ill.
SRO at Dresden Nuclear Power Station

Experience:

1969 - 1983 Commonwealth Edison Company

1969 - 1976

Plant operator for startup of Unit 2 and Unit 3 at Dresden Nuclear Power Plant.

1976 - 1978

Control Room Operator - performed normal plant operational duties including surveillance procedures, plant startup and shutdown. Directly responsible for Control Room activities. Received Reactor Operators License in April 1976 and Senior Reactor Operators License in May 1978.

1978 - 1983 Dresden, Morris, Illinois

Shift Supervisor - Responsible for the safe and efficient plant operations and all activities performed on site. Duties consisted of crew leadership, administration and plant responsibility.

1983 - Present Quadrex Corporation, Tulsa, Oklahoma

Consultant to the Operations Shift Superintendent, providing previous Senior Reactor Operator experience to operations personnel at Grand Gulf Nuclear Station.

GRAND GULF UNIT 1
SHIFT SUPERINTENDENTS AND SHIFT SUPERVISORS

Enclosed are resumes of all shift superintendents and shift supervisors currently assigned to the Grand Gulf Unit 1 operations staff. The following resumes are included:

Shift Superintendents

L. Moulder
C. Stafford
W. Russell
C. Hicks
C. Ellsaesser
G. McMillin

Shift Supervisors

G. Lee
C. Cresap
W. Cade
K. McDonald
K. Walker

Resume No. 19

Name: Larry Bevan Moulder

Birthdate: 1948

Formal Education and Training:

B.S. Electrical Engineering, Mississippi State University, 1975
Basic Reactor Fundamentals, Memphis State University, 1977
Dresden BWR Technology, 1977
Dresden BWR Operator Training/SRO Certification, 1977
BWR Observation Training, 1977
GGNS Technology, 1978
GE Station Nuclear Engineer's Course, 1978
Nuclear Fire Fighting School, Texas A&M University, 1980

Experience:

1967 - 1973 U.S. Air Force

Attained Munitions Specialist Rating. Maintained records on nuclear missle shipments. Shift Supervisor responsible for shipment and loading of nuclear missles. 49

1976 - Present Mississippi Power & Light Company, Jackson, Mississippi

Shift Supervisor at Grand Gulf Nuclear Station; promoted to Shift Superintendent in January 1981 - Supervision of operators training for NRC Cold Licensing. Participated in Design Review of GGNS systems, review of licensing matters pertaining to these systems, writing procedures to support startup and operation of the plant, and assisting in writing training material for GGNS systems.

Responsible for control/coordination of all station operations through the control room.

The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors; prevent damage to site equipment and

Larry Bevan Moulder - Continued

structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation. 49

Participated in the refueling outage at the Vermont Yankee Nuclear Power Plant as an Operations Outage Coordinator, June-December 1980.

Resume No. 17

Name: Clark Daniel Stafford

Birthdate: 1952

Formal Education and Training:

Naval:
- Nuclear Power School
- Radiological Controls
- Steam System Components
- High Pressure Air Compressors
- Air Conditioning and Refrigeration
- Distilling Units
- Thermal Insulation
- General Pump Maintenance
- Oxy-Acetylene
- Quality Assurance
- Instructor Training
- RO License 5/19/82
- SRO License 1/19/83

Experience:

1973 U.S.S. Alexander Hamilton (SSBN 617)

Assigned as Refueling Area Assistant during Reactor Refueling and Core conversion.

1973 - 1977 U.S.S. Los Angeles (SSN 688)

Assigned to this ship during new construction period at Newport News Shipbuilding and Drydock Company. During the first two years, was directly involved in inspection and testing of nuclear propulsion systems, initial core load, initial criticality and power range testing of the Nuclear Power Plant. Following the shipyard period, spent two years onboard in an operational status.

1977 - 1979 U.S.S. New York City (SSN 696)

Assigned to this ship during new construction period at General Dynamics/Electric Boat Division of Shipbuilding. During the construction period, was intensely involved in managing the inspection and testing of nuclear systems, initial core load, initial criticality and power range testing of the Nuclear Power Plant. Following the shipyard period, spent approximately one year onboard in an operational status.

1979 - 1980 U.S.S. Groton (SSN 694)

Leading First Class Petty Officer of Machinery Division in charge of operations, maintenance, administrations, and training of personnel on all nuclear power generation and support systems.

Clark Daniel Stafford - Continued

1980 - Present Mississippi Power & Light Co., Jackson MS

1980 - 1983 Nuclear Reactor Operator

1983 - Present Shift Superintendent at Grand Gulf Nuclear Station - The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors; prevent damage to site equipment and structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 27

Name: Wayne A. Russell, Jr.

Birthdate: 1941

Formal Education and Training:

U. S. Navy Electronics Technician Class "A" School, 1960
U. S. Navy Nuclear Power School, 1962
Qualified Reactor Operator, S1C Naval Prototype, 1962
U. S. Navy Electronics Technician Class "B" School, 1966
Associate Degree Electronics Engineering Technology; Wentworth Institute, Boston, Massachusetts, 1968
Qualified Engineering Officer of the Watch, USS James K. Polk, 1974
U. S. Navy Instructor Training School, 1975
Grand Gulf Systems Course, 1979
BWR-6 SRO Certification, Perry Simulator, Tulsa, Oklahoma, 1980
Grand Gulf Technology Course, 1980

Experience:

1959 - 1979 U. S. Navy

Staff Instructor, Nuclear Power Training Unit - Responsible for directing and monitoring students seeking watchstation qualification in a fully operational prototype reactor plant. Qualified Reactor Operator. Instructed formal course in Reactor Theory. Individually developed and implemented new curriculum for electronics technicians on Reactor Control Instrumentation Equipment.

Reactor Controls Division Leading Chief Petty Officer - Served as Leading Chief Petty Officer, Reactor Controls Division aboard 594, 637, and 640 class nuclear submarines. Responsible for operations, preventive and corrective maintenance of Reactor Control and Instrumentation Equipment. Qualified Engineering Officer of the Watch, Engineering Watch Supervisor, and Reactor Operator. Participated in two shipyard overhaul refueling periods and one new ship construction period including reactor initial criticality, nuclear physics testing, power range testing, and Navy final acceptance testing. Planned and directed numerous maintenance actions in the reactor compartment including radiological considerations for man-rem reduction.

Assigned as ship's 3M coordinator with responsibility for scheduling preventive maintenance of entire ship and documenting all maintenance in computerized maintenance data collection system. Also assigned as Engineering Department Leading Chief Petty Officer with responsibility for supervision, administration, training, watchstation qualification, and watch schedule preparation for 55-man department. Volunteered as command career counselor, responsible for counseling all command personnel on individual professional matters. Personally supervised numerous major technical alterations to reactor controls and instrumentation equipment.

Wayne A. Russell, Jr. - Continued

Senior Instructor, Nuclear Division, Naval Training Center - Responsible for supervision, administration, and logistic support of fourteen instructors and thirteen nuclear propulsion plant related curricula; instructor qualifications and evaluations; curriculum maintenance and revision; development and implementation of new technically oriented curricula; department security; operation of a classified technical publications library; preventive and corrective maintenance of reactor control and instrumentation equipment. Personally developed and implemented a curriculum for operation and maintenance of reactor automatic electronic protection and alarm equipment for electronics technicians. Initiated numerous detailed revisions to operating procedures in equipment technical manuals for reactor control and instrumentation equipment which were approved and implemented on a Navy-wide basis.

1977 - Present Mississippi Power & Light Company, Jackson, Mississippi

Shift Supervisor at Grand Gulf Nuclear Station - Responsible for supervision of operators training for NRC Cold License, supervision of operation of permanent plant equipment for preoperational acceptance testing, and ensuring that plant operation is within procedural requirements, licensing requirements, and local, state, and federal regulations.

The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the operators on his shift and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgement, conditions warrant his action.

Shift Superintendent (1983 - Present) - The plant manager's direct management representative for the conduct of operations.

The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors; prevent damage to site equipment and structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Wayne A. Russell, Jr. - Continued

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 24

Name: Charles V. Hicks, Jr.

Birthdate: 1952

Formal Education and Training:

Political Science, Psychology, University of Illinois (Chicago Circle Campus), 1969-1972
Electronics Technician "A" School, U. S. Navy, Great Lakes, Illinois, 1972-1973
U. S. Navy Nuclear Power Training Program, 1974-1975
Grand Gulf Technology, 1978
Boiling Water Reactor Certification (Dresden Unit 2), certified SRO in 1979
Certified SRO and RO at the GE Dresden Simulator
Nuclear Fire Fighting School, Texas A&M University, 1979
ACPSI Turbine Generator, 1981
GGNS Administrative Procedures, 1981

Experience:

1972 - 1978 U. S. Navy

Qualified Reactor Operator, S1W Submarine Prototype Qualified Reactor Operator, Instrument Watch, EOS Shutdown Watch and Reactor Technician aboard USS Nimitz CVN-68, Reactor Training Division Leading Petty Officer and Reactor Controls Training Petty Office - Responsible for instructing personnel in the Reactor Controls aspect of the A4W/A1G Reactor Plant, and overseeing all aspects of newly arrived enlisted personnel training USS Nimitz Reactor Plant Drill Team; evaluated and advised reactor plant personnel on operations and casualty response.

1978 - Present Mississippi Power & Light Company, Jackson, Mississippi

Assistant Operator (Nuclear) at Grand Gulf Nuclear Station

Chief Plant Operator (Nuclear) at Grand Gulf Nuclear Station

Shift Supervisor at Grand Gulf Nuclear Station - Responsible for plant operation, including directing all operational personnel in their duties on assigned shift, procedure writing, review, and implementation.

1983 - Present Shift Superintendent - The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors;

Charles V. Hicks, Jr. - Continued

prevent damage to site equipment and structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 14

Name: George Lewis McMillin, Jr.

Birthdate: 1947

Formal Education and Training:

B.S. Biology, University of Southern Miss, 1972
BWR Observation, Vermont Yankee Nuclear Power Station, 1980
Grand Gulf Technology, 1978
Dresden BWR Operator Training/SRO Certification, 1979
Miss. State Fire Academy Training, 1981
Cold License Training, GGNS
ACPSI Turbine Operations Course, 1981
Administrative and Operations Procedures Course, 1981
Reactor Start-up experience course, Memphis State University, 1980

Experience:

1964 - 1970

412th Eng. U.S. Army Reserve, Vicksburg, Miss-Specialist 4th Class Wireman.

1972 - 1974

Operator at Vicksburg Chemical Company responsible for operating at various periods during this time a nitric acid plant, B&W (Gas and Oil fired) Boilers, Herbicide and Pesticide plants of various types.

1974 - 1976

Operations Shift Supervisor at Vicksburg Chemical Company, responsible for operation of the "South" complex of V.C.C. directly supervising a crew of 6-8 Operators.

1976 - 1978

Operations Day Superintendent of Atrazine Complex at V.C.C., responsible for production and safety and V.C.C.'s Atrazine (Herbicide). Directly supervising 5 Shift Supervisors and a total of 32 operators and shippers.

1978 - Present - Mississippi Power & Light Co., Jackson, MS

1978 - 1979 - Assistant Nuclear Operator at GGNS.

1979 - 1982 - Nuclear Operator "A" at GGNS Licensed SRO on Unit 1 at GGNS, 1982.

George Lewis McMillin, Jr. - Continued

1982 - 1984 - Shift Supervisor at Grand Gulf Nuclear Station.

1984 - Present Shift Superintendent at Grand Gulf Nuclear Station, Promoted to Shift Superintendent in March, 1984 - The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors; prevent damage to site equipment and structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No.

Name: Charles W. Ellsaesser

Birthdate: October 6, 1953

Formal Education and Training:

Baylor University, Bachelor of Science in Nuclear Physics, May 1975
Navy Nuclear Power School, Vallejo, California, 1976
Navy AlW Prototype, Idaho Falls, Idaho, 1976
Grand Gulf Technology, Grand Gulf Nuclear Station, 1982
Grand Gulf SRO Certification, GGNS, 1983

Experience:

1975 - 1982 U. S. Navy

1975-1977 Nuclear Power and Submarine Training

1977-1980 Nuclear Submarine Officer - USS Robert E. Lee (SSBN601) Division Officer in Engineering Department, Senior Reactor Watchstander.

1980-1982 - S36 Prototype, Senior Reactor Watchstander.

1982 - Present Mississippi Power & Light Company, Grand Gulf Nuclear Station

1982 Senior Reactor Operator in Training - Promoted to Shift Superintendent in November 1983 - The Shift Superintendent is, at all times, the Plant Manager's direct management representative for the conduct of operation and, as such, has the responsibility and authority to direct all activities and personnel on site as required to protect the health and safety of the public and the environment; protect the health and safety of individuals on the plant site, including MP&L employees, contractors, and visitors; prevent damage to site equipment and structures; protect the physical security of Grand Gulf Nuclear Station, and ensure compliance with the GGNS Operations License.

The Shift Superintendent is responsible for all protective taggings at Grand Gulf Nuclear Station, reviewing all maintenance work orders and trouble tickets; and, when changing plant operational conditions, he ensures that surveillance tests applicable to the new condition have been performed within the required interval before entering the new condition.

Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO licenses current.

Charles W. Ellsaesser - Continued

As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 71

Name: George H. Lee

Birthdate: 1947

Formal Education and Training:

Madison-Ridgeland High School
University of Southern Mississippi - Engineering Courses
Qualified Engineering Officer of the Watch - S3G Naval Prototype, West Milton, New York
Certified Senior Reactor Operator - Dresden Simulator, Morris, Illinois, 1979
Nuclear Fire Fighting School - Mississippi Fire Fighting School, Pearl, Mississippi, 1980

Experience:

1969 - 1979 U.S. Navy

S3G Prototype (1974-1977) - Qualified as Engineering Officer of the Watch, Engineering Watch Supervisor, and Shutdown Watch and Electrical Operator. Responsible for training officer students, with some duties in enlisted training.

USS Von Steuben SSBN632 (1971-1974) - Qualified as Engineering Watch Supervisor, and Shutdown Watch and Electrical Operator.

1978 - Present Mississippi Power & Light Company, Port Gibson, MS

Operations Instructor (1978-1980) - Responsible for developing maintenance, non-licensed operator, and licensed operator training programs. Taught licensed operator classes, and attended the Licensed Operator Training Program. Stood watches as Shift Supervisor.

Acting Training and Administrative Superintendent (1980) - Responsible for supervision of all training instructors and development of GGNS training programs.

Acting Training Supervisor (1981 - 1983) - Responsible for direct supervision of all MP&L and consultant personnel assigned. Responsible for all licensed and non-licensed operator training, all health physics and chemistry training; all maintenance training; and all engineering and general employee courses. Continues to instruct licensed operator courses as necessary and attends the Licensed Operator Training Program in pursuit of a Senior Reactor Operator License.

The Training Supervisor reports to the Training and Administrative Superintendent for overall direction of this efforts.

Shift Supervisor (1983 - Present)

George H. Lee - Continued

Shift Supervisor at Grand Gulf Nuclear Station - The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the Operators and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgment conditions warrant this action. He reports directly to the Shift Superintendent and informs station management in a timely manner of conditions which may affect public safety, plant personnel, plant capacity, reliability, or may cause a hazard to equipment. He has the responsibility of directly supervising the actions of all the Operators for this assigned unit to ensure safe and prudent operation of the facility. He initiates immediate corrective action in any upset situation until assistance arrives, if required. Shift Supervisors log significant plant operations and problems and determine that significant manpower is available for operations planned for the next shift in or to ensure adequate staffing at all times. Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO license current. As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 16

Name: Charles E. Cresap

Birthdate: 1947

Formal Education and Training:

Tenn Tech - 3 years Civil Engineering Major 1965 - 1971
Navy EM A School - Great Lakes, Ill 1972
Navy Nuclear Power School - Mare Island, Calif. 1973
Navy Nuclear Power Training Unit
SIW - Idaho Falls, Idaho
Various Electrical School 1974 - 1975
Univ. of Hartford part-time M.E. Major 6 sem hours, 1979
BWR 6 SRO Certification

Perry Simulator Inola, Okla. 1980
5 Startups - Memphis State 1980
Nuclear Fire Fighting - Miss. Fire Academy 1980
Grand Gulf Tech - GGNS 1981
Various System Courses - 1980, 1981, and 1982
Observation Training - 160 hours
Milestone I 1981
SRO License - Grand Gulf Nuclear Station

Experience:

1971 - 1979 U.S. Navy

SSBN 631, Qualified Senior Watch Station.

Prototype Instructor at SIC Winsor Ct. - Performed as member of electrical division, class room instructor, electrical division leading Petty Officer 1977-1979. Qualified Senior Electrical Watch Station.

1979 - Present Mississippi Power & Light Company Jackson, MS

Asst. Operator/"B" Nuclear Operator performed system startup of system's outside of Control Room, participated in License Program - 1979 - 1981 "A" Nuclear Operator participated in system startup from Control Room. Participated in License Program 81-82.

June 82 - Present - Shift Supervisor GGNS

Shift Supervisor at Grand Gulf Nuclear Station - The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the Operators and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgment conditions warrant this action. He reports directly to the Shift Superintendent and informs station management in a timely manner of conditions which may affect public

Charles E. Cresap - Continued

safety, plant personnel, plant capacity, reliability, or may cause a hazard to equipment. He has the responsibility of directly supervising the actions of all the Operators for this assigned unit to ensure safe and prudent operation of the facility. He initiates immediate corrective action in any upset situation until assistance arrives, if required. Shift Supervisors log significant plant operations and problems and determine that significant manpower is available for operations planned for the next shift in or to ensure adequate staffing at all times. Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO license current. As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No.

Name: Walter C. Cade, Jr.

Birthdate: June 17, 1949

Formal Education and Training:

Mississippi State University, Business, 1967-1970
Basic Reactor Fundamentals, Memphis State University, 1977-1978
Dresden BWR Operator Training/RO Certification, GE, 1977
BWR Observation Training, 1977
GGNS Technology, 1978
Dresden BWR Operator Training/SRO Certification, GE, 1979
Reactor Operator License, Grand Gulf Nuclear Station, 1982
Senior Reactor Operator License, Grand Gulf Nuclear Station, 1984

Experience:

1977 - Present Mississippi Power & Light Company, Jackson, Mississippi

Operator trainee
Assistant Operator - Nuclear,
Nuclear Operator - A - Participated in Cold License training for Reactor Operator License and GGNS BWR 6. Startup Testing up to and including initial criticality. Additionally participated in preparation and review of GGNS operating instructions.

Shift Supervisor at Grand Gulf Nuclear Station Promoted to Shift Supervisor in February 1984 - The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the Operators and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgment conditions warrant this action. He reports directly to the Shift Superintendent and informs station management in a timely manner of conditions which may affect public safety, plant personnel, plant capacity, reliability, or may cause a hazard to equipment. He has the responsibility of directly supervising the actions of all the Operators for this assigned unit to ensure safe and prudent operation of the facility. He initiates immediate corrective action in any upset situation until assistance arrives, if required. Shift Supervisors log significant plant operations and problems and determine that significant manpower is available for operations planned for the next shift in or to ensure adequate staffing at all times. Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO license current. As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No.

Name: James K. McDonald

Birthdate: May 28, 1951

Formal Education and Training:

Copiah-Lincoln Junior College, Associate Degree in Mathematics, 1972
Basic Reactor Fundamentals, Memphis State University, 1977-1978
Dresden BWR Operator Training/RO Certification, GE, 1977
BWR Observation Training, 1977
GGNS Technology, 1978
Dresden BWR Operator Training/SRO Certification, GE, 1979
Reactor Operator License, Grand Gulf Nuclear Station, 1982
Senior Reactor Operator License, Grand Gulf Nuclear Station, 1984

Experience:

1973 - Present Mississippi Power & Light Company, Jackson, Mississippi

1973-1976 Line Crew Groundman
1976 - Present GGNS
Operator Trainee
Assistant Operator - Nuclear,
Nuclear Operator - A - Participated in Cold License training for Reactor Operator License and GGNS BWR 6. Startup Testing up to and including initial criticality. Additionally participated in preparation and review of GGNS operating instructions.

Shift Supervisor at Grand Gulf Nuclear Station Promoted to Shift Supervisor in February 1984 - The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the Operators and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgment conditions warrant this action. He reports directly to the Shift Superintendent and informs station management in a timely manner of conditions which may affect public safety, plant personnel, plant capacity, reliability, or may cause a hazard to equipment. He has the responsibility of directly supervising the actions of all the Operators for this assigned unit to ensure safe and prudent operation of the facility. He initiates immediate corrective action in any upset situation until assistance arrives, if required. Shift Supervisors log significant plant operations and problems and determine that significant manpower is available for operations planned for the next shift in or to ensure adequate staffing at all times. Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO license current. As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.

Resume No. 34

Name: Kenneth Lee Walker

Birthdate: 1951

Formal Education and Training:

B.S. Nuclear Engineering, Suma Cum Laude, Texas A&M University, 1973
M. Eng. Nuclear Engineering, Texas A&M University, 1974
Enrolled, MBA Program, Texas A&M University, 1978-1980
NRC Licensed Senior Reactor Operator, Texas A&M Nuclear Science Center (1MW TRIGA)
Licensed Professional Engineer
Shift Technical Advisor Training Program, Grand Gulf Nuclear Station
Certified SRO, GGNS Simulator
NRC Licensed SRO, GGNS

Experience:

1973 - 1974 Nuclear Engineering Department, Texas A&M University, College Station, Texas

Graduate Assistant - Conducted undergraduate nuclear engineering laboratories in nuclear instrumentation and reactor physics. Assisted faculty researchers on projects involving cancer therapy and noble gas production in a research reactor facility. Thesis on ALARA through reduction in noble gas releases.

1975 - 1978 General Electric Company

Reload Core Design Engineer - Designed reload cores for all product lines of operating BWRs. Included core configuration determination, nuclear safety analysis, and licensing support. Consulted with utility customers on reload strategies and fuel management techniques. Published several reports on reload design results.

Core Management Engineer - In addition to core design responsibilities above, served as prime GE contact on core management matters for Japanese customers owning operating plants. Generated control rod patterns through cycle, designed final loading plans for reloads, made recommendation on control rod withdrawal sequences and PCIOMR implementation, and monitored customer compliance to fuel warranty limits. Also approved fuel cycle calculations and served on computer code procedures panel. Consulted with customer via phone, correspondence, and visits concerning fuel cycle plans, data exchange, and operations support. Published several documents for customer information.

Specialist, Fuel Projects - With supervisor, administered fuel contracts with large, government-owned U.S. utility. Performed fuel cycle economics calculations, ensured compliance to contract requirements on licensing support, and negotiated service contracts for special analysis. Interfaced with GE and customer licensing, engineering, financial, legal, and operations personnel. Assessed

Kenneth Lee Walker - Continued

company financial warranty exposure and assisted in recommendation of various fuel cycle strategies under contract specifications.

1978 - 1980 Nuclear Science Center, Texas Engineering Experiment Station, Texas A&M University System

Manager of Technical Services - Responsible for coordination of research reactor services with faculty members, commercial customers, and government researchers. Developed and instructed industrial training programs in nuclear plant fire fighting, health physics, and reactor fundamentals. Developed experimental procedures and published several papers on research reactor activities.

1980 Technical Education Research Associates, Waco, Texas

Consultant - Co-authored seven-part course for health physics technicians entitled, "Radiological Emergencies." Included modules on Emergency Planning, Radiological Consequences, Criticality Control, and Monitoring Techniques.

1980 - Present Mississippi Power & Light Company, Jackson, Mississippi

Shift Technical Advisor and Reactor Engineer at Grand Gulf Nuclear Station - The Shift Technical Advisor (STA) reports directly to the Reactor Engineering Supervisor and is responsible for providing advanced technical assistance to the operating shift complement during normal and abnormal operating conditions. The Reactor Engineer develops and implements procedures concerning control rod movement, fuel monitoring and the use of the process computer.

Shift Supervisor at Grand Gulf Nuclear Station Promoted to Shift Supervisor in March 1984 - The Shift Supervisor directs and is responsible for the actual operation of his assigned unit during his shift. He supervises the Operators and is aware of all maintenance and testing being performed during his shift. He has the responsibility and authority to shut down the reactor unit if, in his judgment conditions warrant this action. He reports directly to the Shift Superintendent and informs station management in a timely manner of conditions which may affect public safety, plant personnel, plant capacity, reliability, or may cause a hazard to equipment. He has the responsibility of directly supervising the actions of all the Operators for this assigned unit to ensure safe and prudent operation of the facility. He initiates immediate corrective action in any upset situation until assistance arrives, if required. Shift Supervisors log significant plant operations and problems and determine that significant manpower is available for operations planned for the next shift in or to ensure adequate staffing at all times. Additionally, the Shift Supervisor and Shift Superintendent participate in operator training, retraining, and

Kenneth Lee Walker - Continued

requalification activities from the standpoint of providing guidance, direction, and instruction to shift personnel as well as pursuing academic work to keep their SRO license current. As assigned by the Operations Superintendent, the Shift Superintendent and Shift Supervisor review procedures as they apply to startup, shutdown, power operation, load changes, fuel handling, emergency situations, and surveillance activities from the standpoint of safety, accuracy, and experience gained as the result of operation.