



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET
P. O. BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 366-2345

April 30, 1984

W3P84-1202

Q-3-A29.20

Director of Nuclear Reactor Regulation
Attention: Mr. G.W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Waterford 3 SES
Docket No. 50-382
Licensee Qualification

Dear Sir:

Per the request of Mr. R. Benedict of the Licensee Qualification Branch, please find attached detailed resumes for Waterford 3 management and support personnel. Resumes for the shift and control room supervisors will be provided in about one week.

Yours very truly,

K.W. Cook
Nuclear Support & Licensing Manager

KWC/RMF/pco

Attachment

cc: E.L. Blake, W.M. Stevenson, J.T. Collins, D.M. Crutchfield,
J. Wilson, G.L. Constable, R. Benedict

8405040285 840430
PDR ADOCK 05000382
H PDR

Boo1
11

Mr. S.A. Alleman - Assistant Plant Manager

Education

B.S. Mechanical Engineering

Louisiana State University

Nuclear Experience Summary

Operating:

Other: 5 years

Work Experience

Mr. Alleman started work with Louisiana Power & Light Company in February of 1964 and has been assigned duties in its generating stations since that time as an Assistant Engineer, Associate Engineer, Engineer, and Assistant Station Superintendent. Between 1964 and 1968, he was assigned to the Mechanical Maintenance Department at the Nine Mile Point SES and in October of 1968 was promoted to Engineer in charge of the Mechanical Maintenance Department at the Sterlington SES. He transferred to Waterford 1 & 2 SES in January of 1973 in the same capacity and was promoted to assistant Station Superintendent of Waterford 1 & 2 in September of 1976. In December of 1976, he was named Assistant Station Superintendent of Waterford 3. He has successfully completed a course in nuclear physics at Northeast State University and a company sponsored course, "Introduction to Nuclear Power".

Since being assigned Assistant Manager-Nuclear, Mr. Alleman has attended a Combustion Engineering Simulator Course in Windsor, Connecticut, participated in a three month hot-license training course at North East Utilities - Millstone Unit 2, and spent approximately seven months (April-October, 1977) at Arkansas Power & Light's ANO. He has successfully completed Basic Nuclear Technology course at the University of Florida, Observation Training at the St. Lucie Nuclear Power Plant, the eight week C-E Simulator course at Windsor, CT and the C-E NSSS course. Mr. Alleman has received an SRO License for Waterford 3.

Mr. Alleman returned to the Millstone Station, Unit 2, for two months of observation and training in the fall of 1981.

Professional Affiliations

Louisiana Nuclear Society

Mr. Robert E. Allen - Chemistry Engineer

Education

B.S. Biology
Basic Radiation Health
QA/QC Methodology
Fundamentals of Water
Pollution Control
Numerous Management, Chemical
and Radiochemical courses
and seminars

Elizabethtown College
Department of HEW
American Society of Q.C.
Lehigh University

G.P.U. Nuclear

Nuclear Engineering Summary

Operating: 14 years
Other:

Work Experience

Mr. Allen joined Louisiana Power & Light Company in January 1984. His professional experience includes construction, startup and operation of two PWR and one BWR at General Public Utilities and one PWR at Baltimore Gas and Electric Company. He provided on-site support services for the TMI-2 Recovery and developed and implemented a training program for TMI Units 1 & 2 chemistry techs to meet INPO Guidelines. His experience at GPU Service Corporation includes the management of an analytical services laboratory and an Environmental & Operational Field Support staff for all of GPU's generating stations, nuclear and fossils. His 14 years includes construction activities of three nuclear and eight fossil units, including the technical development and review of design equipment and system specifications. He has provided on-site support for startup and major outage (including refueling) activities. He has participated in membership within many technical review committees and functioned as technical liaison between ASTM-D19 Water Quality and the EEI Chemistry Committee. He has provided technical assistance to INPO Accreditation activities.

Professional Affiliations

Americal Chemical Society
Americal Nuclear Society

Paul N. Backes EMERGENCY PLANNING MANAGER

Education

A.S. University of Wisconsin - Barron County Campus

B.S. Nuclear Engineering University of Wisconsin - Madison

Nuclear Experience Summary

Operating: 4½ years

Other : 3 years

Work Experience

Mr. Backes joined LP&L in August, 1983. His professional experience includes 3 years of project engineering with Northern States Power Company. This included engineering tasks on the proposed Tyrone Energy Park Project, and the operating Monticello and Prairie Island Nuclear Generating Plants. He later worked 18 months in the Special Nuclear Programs Department managing emergency planning and radwaste activities related to the operating plants. He represented Northern States Power on the Utility Nuclear Waste Management Group - Low Level Waste Working Group. He joined Washington Public Power Supply System's Project 3 & 5 (Satsop) in 1981 as a project engineer. He was assigned as Project Manager for the Satsop Training Center. This facility included a training center with simulator, an Emergency Operation Facility (EOF) and visitor center. He worked six months in the Project 3 Startup organization developing procedures for the startup program. Since joining LP&L, he has been responsible for developing and maintaining the Waterford 3 emergency preparedness program.

Professional Affiliations

American Nuclear Society
Scientists and Engineers for Secure Energy
Registered Professional Engineer - Wisconsin

Mr. R.P. Barkhurst - Plant Manager

Education

B.S. Naval Science
Oceanography Major

United States Naval Academy

Nuclear Experience Summary

Operating: 14 years
Startup/construction: 1 year

Work Experience

From 1967 through March 1973, Mr. Barkhurst served in the United States Navy Submarine Program. He was an Engineering Officer of the Watch on the USS Sam Houston (SSBN 609) from February 1969 through January 1971. He then spent two years at the SIW prototype assuming the responsibilities of Leading Engineering Officer of the Watch and Plant Training Officer.

From May 1973 through December 1982, Mr. Barkhurst was employed by the Portland General Electric Company. He was a Nuclear Plant Engineer at the Trojan Nuclear Plant through April 1974 and was then reassigned to the Pebble Springs Nuclear Plant in the position of Designated Engineering Supervisor. In August of 1974, he was transferred back to the Trojan Nuclear Station where he filled various positions including Maintenance Supervisor, Operations Supervisor and Manager of Operations and Maintenance. Additionally, from June 1982 through December 1982, he was on loan to INPO as a utility representative. Mr. Barkhurst also received a Senior Reactor Operator License for the Trojan Nuclear Station.

Mr. Barkhurst's present position is the Plant Manager-Nuclear at Waterford 3 SES.

Mr. T.P. Brennan - Change Manager

Education

E.S. Electrical Engineering
M.S. Engineering

Louisiana State University
Tulane University

Nuclear Experience Summary

Operating:

Other: 10 years

Work Experience

After joining LP&L as an Associate Engineer in 1971, Mr. Brennan spent three months in the engineering orientation program before being assigned to the Power Production Department. From late 1971, he served two years in the Army Signal Corps where he was in charge of a radio relay platoon.

In 1974, he was assigned to Waterford for the startup of Units 1 and 2. He was promoted to Utility Engineer in 1974 in the Electrical and Instrument Department at Waterford 1 and 2. In early 1977, he was transferred to Unit 3 as the Electrical Maintenance Department Head, working with the Waterford 3 Project Group. He moved to the site in 1978 in this same position. In 1980, the Waterford 3 Staff was reorganized and Mr. Brennan was named Plant Engineer. In 1983, he was named Waterford 3 Change Manager. He has completed various management courses and has attended Combustion Engineering's NSSS Lecture series and NUS Corp. Nuclear Energy Training Course.

Professional Affiliations

Registered Professional Engineer in State of Louisiana

Mr. Raymond F. Burski, Jr. - Engineering & Nuclear Safety Manager

Education

B.S. Mechanical Engineering

University of Dayton, Ohio

Nuclear Experience Summary

Operating: 6 years (PWR)

Other: 4 years

Work Experience

Mr. Burski was employed by Duquesne Light Company, Pittsburgh, PA, in January, 1970, as a Power Station Engineer, performing various tests and preparing reports at the generating stations. In July, 1970, he was assigned as a procedures engineer supporting the startup of a new 560 MWe fossil plant. In September, 1971, he was promoted to the position of mechanical maintenance engineer at a 250 MWe fossil plant, where he directed daily maintenance activities, produced spare parts and scheduled outages. In May, 1973, he was transferred to a PWR nuclear station under construction as the Mechanical Maintenance Engineer. His duties while the plant was in the construction phase included maintenance procedure preparation, procurement of spare parts, establishment of a computerized preventative maintenance program and maintenance training. In the plant operations phase his duties included scheduling and directing daily maintenance activities, responsibility for input to the Nuclear Plant, Reliability Data System (NPRDS) and assisting in the establishment of a computerized maintenance tracking system. In October, 1974, he was promoted to Senior Engineer, responsible for establishing the plant industrial safety program under OSHA guidelines, establishing the capital budget and coordinating capital projects, and other outside organizations, responding to NRC bulletins, circulars and questionnaires; directing ten engineers in design change coordination and coordinating fuel loading with company and contractor.

He was a member of the onsite safety committee. In December, 1979, he was promoted to Senior Compliance Engineer, responsible for coordinating responses to NRC bulletins, circulars, inspection reports, and quality assurance audits and other questionnaires for outside organizations. In June, 1980, he was assigned to the position of Senior Licensing Engineer with duties that included coordinating responses to NUREG 0588 and NUREG 0737, coordinating technical specification changes with the licensing project manager and responding to questions by the Office of Nuclear Reactor Regulation. In this position, he served as an alternate member of the offsite review committee. Mr. Burski joined Louisiana Power & Light Company in August, 1981, as Engineering Supervisor, responsible for the Independent Safety Engineering Group and Operations Assessment Group. He has held the position of Engineering & Nuclear Safety Manager since 1983.

Neil S. Carns - PROJECT COMPLETION MANAGER

Education

B.S. Engineering

U.S. Naval Academy

M.P.A. Public Administration

University of Washington

Nuclear Experience Summary

Operating: 20 years

Other: 3 years

Work Experience

Mr. Carns joined LP&L in September 1983. His professional experience includes 20 years of service in the Navy's Nuclear Power Program where he attained the rank of Captain. He operated, maintained, and supervised seven different reactor plants. As a junior officer he was responsible for the original installation, startup, and testing of all instrumentation and control equipment for a new construction reactor plant. His naval service included attendance at several schools for intensive studies of reactor plant technology. Mr. Carns also served as the Commanding Officer on two missile nuclear submarines. Prior to joining LP&L, he was employed at Washington Public Power Supply System's Satsop Nuclear Project. At Satsop, he participated in a Plant Management Training Program designed to fulfill the requirements of ANS 3.1 for assignment as a senior utility manager. The program included assignments to construction, design engineering, quality assurance, licensing, and technical departments for a period of six months. He also participated in six months of operational training at Northern States Power Company's Prairie Island Nuclear Generating Plant that included normal power operations, an extensive refueling outage, and a return to power operations. Upon completion of the training program, Mr. Carns was promoted to Operations Manager at the Satsop Plant. He was responsible for training and qualification of 57 operators, procedure development, and serving as Assistant Plant Manager for review and approval of procedures. In addition, he acted for the Plant Manager in his absence. At Waterford, Mr. Carns has served as the Completion Manager ensuring that Preoperational Startup activities were successfully concluded.

Professional Affiliations

None.

Mr. Kenneth W. Cook - Nuclear Support and Licensing Manager

Education

B.S.	Mechanical Engineering (Nuclear Option)	University of Wyoming, Laramie
M.S.	Mechanical Engineering	University of California, Berkeley

Nuclear Experience Summary

Operating:
Other: 20 years

Work Experience

Mr. Cook joined Louisiana Power & Light Company in 1983. Prior to LP&L, from April 1980, Mr. Cook was with the Washington Public Power Supply System as Licensing Project Manager for WNP 3 and 5. Was responsible for obtaining an operating license and resolution of licensing issues with the NRC; directed efforts of the Architect Engineer, Nuclear Steam Supply System vendor, project technical and operations staff, and outside consulting agencies in preparing submittals to NRC and other regulatory agencies. Provided continued assessment of the project design, construction, and operation against current commitments and new licensing and safety issues.

From June 1964 to March 1980, Mr. Cook was with the General Electric Company. From June 1964 to June 1966, reviewed design of BWR control rod drives, developed detailed cost breakdown of drive manufacturing process, developed experimental plans and designed test facilities and test section for BWR spacer pressure drops and feasibility study for UNISEAL for Superheat Reactor applications. prepared Core Design and Plant Data sheets for BWR proposals, developed simplified computer models for performing core thermal-hydraulic evaluations. From June 1966 to October 1967, performed core thermal-hydraulic evaluations and prepared fuel test specifications for Superheat Reactor test fuel, developed a computerized procedure for monitoring and evaluating test fuel performance using available reactor instrumentation data, developed detailed design, test plans, and test operation plans for LMFBR fuel assembly water flow tests, developed criteria and analytical models for evaluation of LMFBR fuel pin spacer assemblies. From October 1967 to March 1968, attended University of California at Berkeley as part of GE Advanced Engineering course to obtain Masters Degree. From March 1968 to May 1977, in various Engineer classifications, performed various neutronic and safety analyses in support of the SEFOR follow-on program, developed an outline of Technical Specifications for the Demo Plant PSAR, provided consultation and performance analytical tasks relating to new concept in BWR containment design, participated in various design reviews and analyses on the Clinch River Breeder Reactor, served as Clinch River cognizant engineer and program manager for safety of heat transport and removal systems. From May 1977 to March 1980, as a Senior Licensing Engineer, served as Program Manager for generic licensing and analytical issues for GE BWRs.

Professional Affiliations

Registered Professional Nuclear Engineer (California)

Cesir J. Decareaux MECHANICAL SUPERVISOR

Education

B. S. Mechanical Engineer University of Southwestern Louisiana

Night Class: Chemistry, 2 Semesters, Tulane University

Night Class: Computer Science, 1 Semester, University of New Orleans

Night Class: Nuclear Science, 1 Semester, University of New Orleans

Nuclear Science Course Presented by NUS

Nuclear Experience Summary

Operating:

Other: 8 years

Work Experience

Mr. Decareaux joined LP&L in November 1955. His professional experience included 20 years at a fossil station with 5 units with a net capacity of 1800 megawatts. He started as Assistant Engineer in the Results and Control Department which involved calibration of instrument, adjusting control systems, testing of mechanical equipment, overall heat cycle and water treatment and chemical analysis. In 1961 he was promoted to Department Head of the Results and Control Department which included the supervision of above work plus the added responsibility of the office and storeroom facilities. In March of 1976 he joined the Nuclear Organization and worked on a design of Waterford 3 with the AE until October of 1978. He was then promoted to a Production Engineer and was transferred to the Waterford 3 site as Project Coordinator as LP&L's primary representative at the project site. Participate in preconstruction and on-going construction planning and scheduling to ensure effective construction planning by the Construction Manager and/or Constructor. Keep Project Manager advised of project construction status. Participate in meetings between Construction Manager and/or construction and other major contractors. Evaluate and monitor the Construction Manager's and/or Constructor's measurements and control of construction activities, including schedule and cost status. Establish and maintain LP&L jobsite administrative procedures. Determine need for an participate in constructability reviews. Ensure that effective construction document and material control programs are maintained at the jobsite by the Construction Manager and/or Constructor. Monitor and coordinate the activities of Waterford 3 Project personnel assigned to the jobsite. Monitor site purchases of material, equipment and services by the Construction Manager and/or Constructor. Participate in development and implementation of jobsite security and safety programs. Assure that Waterford 3 Project home office support of Waterford 3 Project jobsite personnel and work is provided as necessary. Review and evaluate recommendations of the Construction Manager involving monetary disputes and provide dispute resolution recommendations to the Project Manager. In August 1983 he assumed the duties as Mechanical Supervisor-Nuclear in the Project Engineering group working with the AE on completion of the plant design. Before joining LP&L, he worked with Pan American Oil Refineries as a Laboratory Inspector analyzing different types of petroleum products.

Professional Affiliations

Registered Professional Engineer, State of Louisiana

Louisiana Nuclear Society

Mr. Dale E. Dobson - Project Manager

Education

B.S. Civil Engineering University of Iowa State

M.S. Civil Engineering University of Iowa State

Numerous Military Schools through U.S. Army War College

Nuclear Experience Summary

Operating:

Other: 4 years

Work Experience

Mr. Dobson joined Louisiana Power & Light Company in September 1983 as the Project Manager, providing overall direction and administration of the Project Management Group. Prior to joining LP&L, from 1953 to 1979, Mr. Dobson was with the U.S. Army Corps of Engineers. Highlights of this period are as follows. From July 1968 to July 1972, served as Deputy District Engineer, Far East District, responsible for supervising the engineering and construction division involved in the 1968-1970 major construction activities in Korea as well as being the Area Engineer for all Department of Defense construction in Japan. From July 1972 to July 1973, served as a Battalion Commander, exercising normal Commander/Manager functions for an 1100-man heavy construction battalion in completing a major ammunition storage and overhaul depot. From August 1973 to March 1976, in the position of Faculty, Armed Forces, filled the role of staff advisor specializing in engineer roles at the tri-service college which teaches combined combat operations planning staff office level. From March 1976 to October 1977, served as Deputy Division Engineer, principle assistant to man in charge of the 275-man Huntsville Division. October 1977 to November 1979, served as Division Engineer and exercised normal Commander/Manager functions for the expanding 350-man USA Corps of Engineers' Huntsville Division and all associated contractors. Responsible directly to the USA Chief of Engineers. Responsible for planning, fiscal and personnel management, engineering and construction management, interagency coordination and contracting activities.

Following service in the U.S. Army, Mr. Dobson was with the Washington Public Power Supply System from November 1979 to August 1983. From November 1979 to August 1980, served in a variety of staff position roles at WPPSS Projects 1, 2, and 3. From August 1980 to August 1983, served as Project Manager with Owner responsibility for engineering and construction management of a 1250 MWe nuclear power plant.

Mr. Fred Drummond - Nuclear Services Manager

Education

B.S. Chemistry

Auburn University

Nuclear Experience Summary

Operating:

Other: 11 years

Work Experience

Mr. Drummond served in the U.S. Navy from 1961 to 1973 during which time he received his degree and completed the U.S. Naval Officers Nuclear Power Training Program. From 1962 to 1965, Mr. Drummond served on board the USS Abraham Lincoln SSBN 602 and completed five Polaris patrols. In 1965, Mr. Drummond was selected for participation in the Navy Enlisted Scientific Education Program (NESEP) and attended Auburn University until 1969 at which time he received a commission and entered the U.S. Naval Officers Nuclear Power Training Program. After graduation from this program, Mr. Drummond completed three Polaris patrols and participated in a Refueling Overhaul on board the USS Abraham Lincoln SSBN 602. Mr. Drummond was Assistant Plant Manager and later Plant Manager for their Enoree, South Carolina and New Orleans, Louisiana manufacturing facilities, respectively. Mr. Drummond joined Louisiana Power & Light Company in November, 1975 in the Power Production Department and was assigned for training at Little Gypsy SES.

In July, 1976, he was assigned to the Nuclear Project Support Group and in August, 1977 was assigned as the Technical Support Engineer on the Waterford 3 staff. In March, 1979, he was assigned as the Waterford 3 Project Engineer and in October, 1979, was assigned as the Waterford 3 Project Manager. During his assignment on the Waterford 3 staff, Mr. Drummond has participated in the licensed operator training program and successfully completed Basic Nuclear Technology Training, Research Reactor Training at the University of Florida, and Observation Training at the St. Lucie, Florida Nuclear Power Plant.

Professional Affiliations

American Nuclear Society
Louisiana Nuclear Society

Mr. Thomas F. Gerrets - Corporate Quality Assurance Manager

Education

B.S. Mechanical Engineering

Tulane University

Nuclear Experience Summary

Operating:

Other: 12 years

Work Experience

Mr. Gerrets entered the U.S. Air Force immediately after graduation and was assigned to the Titan III Division of the 6555th Aerospace Test Wing at Cape Kennedy Air Force Station, Florida. During his tour of duty, he served as Officer-In-Charge (OIC) of the Solid Rocket Motor Section and finally as OIC of the entire Titan III propulsion Section. During this time, he was closely involved with the overall Quality Assurance efforts associated with the assembly, checkout and launch of the Titan III Space Launch Vehicle.

Mr. Gerrets joined Louisiana Power & Light Company in June, 1971 at one of its generating stations. In October of 1971, he became actively involved in the Quality Assurance efforts associated with fossil fired and nuclear generating units. In April of 1975, he was named Project Quality Assurance Engineer for Waterford 3, responsible for coordinating the Louisiana Power & Light and contractor Quality Assurance efforts at the site. Since March of 1979, he has served as the LP&L Quality Assurance Manager. Mr. Gerrets has also served as the Utility Representative on ASME Nuclear Survey Teams. He has completed the Portland Cement Association course "Basic Concrete and Related Field Practice", the American Welding Society course "Testing and Inspection of Welds", NUS course entitled "Introduction to Nuclear Power", a "Quality Assurance Audit Course", and various other short courses related to Engineering Quality Assurance.

Professional Affiliations

Registered Professional Engineer in the State of Louisiana (Mechanical) and California (Quality Engineering)

Mr. O.D. Hayes - Operations Superintendent

Nuclear Experience Summary

Navy Nuclear Power Program - 8 years

Commercial Nuclear Power - 9 years

Work Experience

From October 1966 through July 1974, Mr. Hayes served in the United States Navy Submarine Program. He qualified as an Engineering Officer of the Watch and served as both the Machinery Division Work Center Supervisor and leading Petty Officer. His responsibilities included supervising the operation and maintenance of both the primary and secondary systems aboard the USS Patrick Henry (SSBN 599) and the training of machinery division personnel.

From August 1974 through May 1975, he was employed by Stone and Webster Engineering Corporation. His responsibilities included the preparation of maintenance procedures, system descriptions, training manuals and written evaluations for various Stone and Webster/Westinghouse projects.

From May 1975 through August 1982, Mr. Hayes worked for Florida Power and Light Company at the St. Lucie Nuclear Generating Station. He received an SRO License for St. Lucie Unit #1. Mr. Hayes filled the position of Nuclear Control Center Operator and participated in the initial fuel load, test program, and commercial operation of Unit #1. In December of 1977, he was promoted to the position of Nuclear Plant Supervisor. His responsibilities in this position included the supervision and management of Unit #1 operation; refueling/low power physics/and power ascension testing; and the preparation of preoperational test procedures for St. Lucie Unit #2. Additionally, in the absence of the Operations Supervisor, he assumed the responsibility of all operation department duties.

Mr. Hayes joined LP&L in August of 1982, in the position of STA Coordinator. In March of 1983, he was promoted to his present position of Operations Superintendent.

Alan L. Holder - Fire Protection Engineer-Nuclear

Education

A.A.S. Fire Protection Engineering Technology
Rowan Technical Institute
Salisbury, NC

B.S. Fire Protection and Safety Engineering Technology
Oklahoma State University
Stillwater, OK

Nuclear Experience: Summary

Operating: 2 yrs at V.C. Summer Station

Work Experience

Mr. Alan Holder joined Louisiana Power and Light Company in December of 1983. His professional experience includes 8 months as a design engineer for high hazard fire protection systems prior to work in the utility industry. Before joining LP&L he was employed by South Carolina Electric and Gas as the Fire Protection Program Coordinator for the V.C. Summer Nuclear Station where his duties ranged from construction to operating activities. During this time he represented SCE&G on the Edison Electric Institute's Fire Protection Committee and Nuclear Sub-committee. Since joining LP&L he has been involved with all phases of the Fire Protection program at Waterford 3, most significantly the 10CFR50 Appendix R reviews.

Professional Affiliations

Society of Fire Protection Engineers - Technologist #4930
Edison Electric Institute

Dr. Krishna R. Iyengar - Nuclear Support Manager

Education

B.S. Metallurgical Engineering	Indian Institute of Technology Bombay, India (1968)
M.S. Metallurgical Engineering	Montana College of Mineral Science & Technology (1970)
Ph.D. Nuclear Engineering	Kansas State University (1973)

Nuclear Experience Summary

Operating: 2 years
Other: 7 years

Work Experience

Dr. Iyengar joined LP&L in December 1981. His professional experience includes 18 months of teaching at several colleges in Ottawa, Canada and more than 4 years of experience in safety analysis and licensing of nuclear power plants with Southern Company Services for Alabama Power Company and Georgia Power Company. Before joining Louisiana Power & Light Company, he was a consultant on the Waterford 3 project, with over 2½ years in Middle South Services' Nuclear Activities Department. He was an adjunct Assistant Professor in the Department of Mechanical Engineering at the University of New Orleans. In this capacity, he has taught courses in materials science and nuclear engineering. As an abstractor for Metals Abstracts and World Aluminum Abstracts of The American Society for Metals, he has prepared technical summaries of over eighty technical papers. The technical papers addressed subjects in the areas of physical, chemical, powder and mechanical metallurgy and manufacturing engineering. Since 1979 he has provided technical expertise for Waterford 3, addressing various Final Safety Analysis Report questions and other NRC concerns in the areas of asymmetric loads, ATWS, ECCS analysis, emergency planning, TMI-2 Action Plan, and control of heavy loads. He has represented LP&L in the ATWS and Analysis and Operations Subcommittees of the C-E Owners Group and also in the C-E Owners Group itself. He was a member of the Waterford 3 Safety Review Committee (SRC) from 1981-1983. He has also provided technical expertise to Mississippi Power & Light Company in the areas of new loads, ATWS and suppression pool thermal stratification. In this capacity, he attended the SRV discharge tests conducted at the Kuosheng nuclear power station in Taiwan.

Professional Affiliations

American Nuclear Society
American Society for Metals
Founder Chairman - Birmingham, Alabama Section of American Nuclear Society
Registered Professional Engineer, State of Alabama

Mr. Ralph W. Kenning - Radiation Protection Superintendent

Education

B.S. Astrophysics	Louisiana State University
M.S. Astrophysics	Louisiana State University
M.S. Health Physics	Georgia Institute of Technology

Nuclear Experience Summary

Operating: 2 years (PWR)
Other: 5 years

Work Experience

Mr. Kenning began work in the nuclear section of the General Office Power Production Department upon completion of a six-month cadet program. From March through August 1976 he conducted a design review of all shielding analysis for Waterford 3. In September 1976 he began work at Arkansas Power & Light Company's nuclear unit, Arkansas Nuclear One. While at ANO he gained experience in all aspects of operation of the ANO Health Physics Program, including supervisory responsibility during the 1977 refueling outage for both plant staff and contractor health physics technicians. In January 1978 he returned to LP&L where he was assigned to the Waterford 3 Health Physics Section. Mr. Kenning was actively involved in health physics activities at Florida Power & Light Company's St. Lucie, Unit 1 during their April and May 1978 refueling outage and at ANO Units 1 and 2 for two months in late 1978. After being appointed to the position of Waterford 3 Health Physics Engineer in May of 1979, he returned to ANO during their Unit 2 outage of October and November 1979 and for two month during their Unit 1 and 2 refueling in the spring of 1981.

Mr. Kenning has participated in courses on Radiological Emergency Response Planning and Radiological Emergency Response Coordination sponsored by the NRC, as well as a Health Physics short course at the Louisiana State University Nuclear Science Center. He has also completed the Health Physics in Radiation Accidents course presented at the Radiation Emergency Assistance Center/ Training Site of Oak Ridge Associated Universities, Harvard School of Public Health course on Environmental Radiation Surveillance, and Combustion Engineering's NSSS Lecture Series.

Professional Affiliations

Louisiana Nuclear Society
Edison Electric Institute, Health Physics Committee
Health Physics Society, National and Deep South Chapter

Mr. Roth S. Leddick - Senior Vice President-Nuclear Operations

Education

B.S. Engineering	U.S. Naval Academy
M.S. Mechanical Engineering	U.S. Naval Postgraduate School
MBA equivalent	Industrial college of Armed Forces

Nuclear Experience Summary

Navy Nuclear Power Program: 20 years
Commercial Nuclear Power: 11 years

Work Experience

Mr. Leddick joined LP&L in 1983 as the Senior Vice President-Nuclear Operations. Prior to joining LP&L, from 1946 to 1973, Mr. Leddick served in the U.S. Navy. Highlights of this period are as follows. From 1946 to 1956, as junior officer and department head, served in a heavy cruiser and several submarines; school experience included Submarine School and Navy Postgraduate School.

From 1957 to 1967, served in Executive Officer and Command assignments, afloat and ashore, associated with Submarine Nuclear Power and Polaris programs. In 1957, completed Nuclear Power Training at the Westinghouse S-1-W prototype. In 1958, as Executive Officer, commissioned Navy's fourth nuclear powered submarine, USS SARGO. In 1960, served in a Nuclear Attack Submarine Command assignment, USS Swordfish. In 1962, commanded the Naval Nuclear Power Training Unit in Schenectady, New York (200-man staff, 800-man trainee level). In 1965, as Commanding Officer, commissioned Navy's Polaris submarine USS Kamehameha; supervised construction and testing of entire submarine.

From 1968 to 1970, served in several staff assignments in Washington, D.C.: Strategic Systems Project Office, Navy's Polaris Management Office, Office of Chief of Naval Operations (Politico - Military Policy Division). From 1971 to 1973, served in Submarine Force, U.S. Pacific Fleet - major submarine command followed by Chief of Staff assignment.

From 1973 to 1981, served in various capacities for Northern States Power Company (NSP). Assignments included Manager of Nuclear Plant Projects, with responsibility for engineering, licensing, and construction of new nuclear plant projects, as well as modification projects for existing nuclear power plants - Prairie Island and Monticello. In 1973 and 1974, as Project Manager, successfully supervised engineering, construction, testing, and placing into operation of NSP's 1100 MW twin-reactor Prairie Island plant.

From 1981 to 1983, served as Program Director at Washington Public Power Supply System (WPPSS) for the WNP-3 nuclear plant. Overall corporate level responsibility for engineering, construction, startup, and operations, along with local responsibility for licensing, public affairs, and budget.

Mr. Van D. McAdams - Performance and Analysis Department Head

Education

B.S.	Mechanical Engineering	University of Texas at Austin
M.S.	Nuclear Engineering	University of Texas at Austin

Nuclear Experience Summary

Operating: 6 years (including Navy & startup)
Other: 10 years

Work Experience

Mr. McAdams joined the Waterford 3 staff in January 1983. Prior to joining LP&L, from June 1972 to January 1983, he was with Babcock & Wilcox. From 1972 to 1974, worked at the B&W Lynchburg Research Center, where he was involved in several critical assembly experiments, and in-reactor experiments as well as neutron noise data collection and analysis. From 1974 to 1977, participated in the startup of Oconee Unit II, Rancho Seco and Crystal River Unit III. From April 1977 to September 1981, and from September 1981 to January 1983, developed the startup test programs for Muelheim-Kaerlich and Bellefonte Nuclear Units, respectively.

From January 1968 to June 1972, worked as a Senior Reactor Operator (250 KW Triga reactor) and a research assistant at the Nuclear Reactor Laboratory, University of Texas. In addition to reactor operation duties, was involved in several neutron activation analysis experiments. From 1961 to 1967, was with the U.S. Navy, of which four years were spent in the Navy Nuclear Program as a reactor operator on two submarines, one of which he placed in commission.

Professional Affiliations

Americal Nuclear Society

Mr. J.R. McGaha, Jr. - Maintenance Superintendent

Education

B.S. Electrical Engineering

Tulane University

Nuclear Experience Summary

Operating:

Other: 9 years

Work Experience

Mr. McGaha served five years as a line officer in the United States Navy which included the following experience: 12 months of Navy Nuclear Power School and Plant Prototype Training where he qualified as Engineering Officer of the Watch; four years on board the nuclear submarine USS Andrew Jackson (SSBN 619), which included one year of operational experience as Reactor Controls Officer and engineering officer of the watch and three years as Electrical Officer, Engineering Duty Officer and Engineering Officer of the Watch during an extensive overhaul and reactor refueling period. Mr. McGaha received the Navy Achievement Medal for his efforts during the overhaul and refueling period which included the following areas of responsibility: operations and testing, equipment overhaul and maintenance, training, radiation control, and personnel management. He also participated in an Operational Reactor Safeguards Exam and in a Naval Reactors Crew Quiz. Following his tour in the Navy, Mr. McGaha was employed by Brown & Root, Inc., Houston, Texas, as an Electrical Design Engineer in the design and construction of a coal-fired generating station. During this two-and-one-half year period with Brown & Root, he attended the Westinghouse one-week school on Protective Relaying, Brown & Root courses on Electrical Distribution, Relaying, and Reliability Analysis, and IEEE-sponsored courses on Engineering Economics and Large Motor Theory.

In March 1978 Mr. McGaha joined Louisiana Power & Light Company. After joining LP&L, he was assigned to the Nuclear Projects Group on the Waterford 3 Project. In this capacity he coordinated design and construction efforts in the areas of Electrical, Mechanical, and I&C Engineering. He also assumed duties as Project Cost Engineer and worked on special projects related to Engineering aid Computer Programs. He was assigned as the Waterford 3 Technical Support Superintendent on June 11, 1979.

Professional Affiliations

Institute of Electrical and Electronics Engineers
Louisiana Nuclear Society
Registered Professional Engineer, Louisiana

Dr. Merlyn I. Meyer - Electrical Engineering Supervisor

Education

B.S. Electrical Engineering

Louisiana State University

Nuclear Experience Summary

Operating:

Other: 4 years

Work Experience

Mr. Meyer was employed by the General Electric Company from 1948 to 1950 and participated in the Test Engineer Program. During this two-year time frame Mr. Meyer tested relays, switchgear, large induction motors, power transformers and balanced small generator fields. In late 1950, he was drafted into service in the U.S. Army Infantry. Upon Mr. Meyer's discharge from the U.S. Army, he joined Louisiana Power & Light Company in November 1952 as an assistant engineer assigned to the Nine Mile Point SES Electrical Department. During his employment with Louisiana Power & Light Company, Mr. Meyer has held the position of Engineer in charge of the Electrical Department at two fossil stations; was Project Coordinator during the construction of Waterford No. 1 and No. 2 fossil stations; Project Coordinator during fuel oil conversion of three fossil units; Project Coordinator for the installation of fuel oil unloading facilities at two fossil stations; Production Engineer assigned to Waterford No. 3 to monitor construction activities; Assistant Station Superintendent at the Little Gypsy SES, and in February 1980 was transferred to the Nuclear Project Support Group as Engineering Supervisor. He has successfully completed the NUS Course entitled "Introduction to Nuclear Power".

Professional Affiliations

Registered Professional Engineer, State of Louisiana

Mr. William M. Morgan - Nuclear Operations Quality Assurance Manager

Education

Undergraduate Course Work

University of Georgia
University of Hawaii
GED U.S. Navy

Nuclear Experience Summary

Operating:

Other: 12 years

Work Experience

Mr. Morgan reported to LP&L in November, 1981. He was previously employed by the Tennessee Valley Authority where he was assigned to the Quality Control and Inspection Group at Sequoyah Nuclear Plant from January, 1975 to July, 1976. During this period, he was the primary QC inspector for the Chemical and Volume Control System, Safety Injection System, and the Waste Disposal System.

Assigned to the Quality Assurance Unit at Bellefonte Nuclear Plant from August 1976 to February 1978. Duties assigned were those of quality Assurance Engineer which included: planning and conducting audits of project construction activities in the mechanical engineering and welding/NDE disciplines.

Assigned to the Office of Power Quality Assurance and Audit Staff from May, 1979 to present. His duties and responsibilities included: review and evaluation of quality assurance plans, procedures, and manuals for the operational quality assurance program prepared by other TVA organizations for compliance with requirements of regulatory agencies, industry codes and standards, and TVA requirements; review and evaluation of new or revised regulations, codes, and standards for applicability to the Office of Power Quality Assurance Program; preparation, review, and overall coordination of quality assurance procedures prepared by the Quality Assurance and audit Staff; performance of special reviews and in-depth studies of various aspects of the Office of Power Quality Assurance Program to determine its overall implementation; providing quality engineering expertise to support the quality audit program by participating as a regular audit team member when such expertise is needed; preparation of descriptive material covering the TVA operational Quality Assurance Program for use in nuclear plant Safety Analysis Reports and responses to regulatory agency questions dealing with quality assurance; representing the Office of Power Quality Assurance and Audit Staff on inter-organizational work groups and committees for resolving quality problems that affect various organizations; participate in developing and implementing a quality assurance training and indoctrination program for the Quality Assurance and Audit Staff personnel and selected division-level personnel; performance of vendor pre-award surveys and audits; and performance of nuclear power plant audits. As a quality assurance engineer with TVA, he gained extensive quality assurance experience and knowledge. He was certified as lead auditor in accordance with ANSI N45.2.23.

Mr. Roger M. Nelson - Licensing Manager

Education

A.S. Science	Itasca J.C. (Minnesota)
B.S. Engineering	San Jose State University
(Nuclear Option)	

Several General Electric and WPPSS sponsored courses and seminars

Nuclear Experience Summary

Operating:
Other: 20 years

Work Experience

Mr. Nelson joined Louisiana Power & Light Company in December 1983. In 1983, Mr. Nelson was with the Illinois Power Company (IP) as the Director of Nuclear Licensing and Configuration for the Clinton Project. In this position, he was responsible for all interfaces with the NRC. Prior to IP, from July 1981 to May 1983, Mr. Nelson was the Licensing Manager at Washington Public Power Supply System for the WNP-2 plant. Responsibilities at that time included closeout of all FSAR commitments and SER open issues. While at WPPSS, he also served as a member of the BWR Owners Group Steering Committee and represented WPPSS on the AIF-NTOL Subcommittee.

Prior to his service at WPPSS, Mr. Nelson worked for the General Electric Company Nuclear Energy Business Group from August 1964 to July 1981. From August 1964 to May 1971, as an Engineering Assistant, activities included studies of water chemistry of reactor feedwater and condensate, gas chromatography, corrosion, fuel cladding, reactor water crud levels, and ECCS pump design. From May 1971 to March 1974, as an Engineer, activities included work on Offgas Systems design, RECHAR equipment design, piping design criteria for explosion design basis, and a Flammability Control System. From March 1974 to August 1975, served as a Licensing Engineer with Project Licensing responsibility for Hatch 2, Limerick 1-2, and Duane Arnold. In this capacity was responsible for licensing interfaces with the NRC and for work on both PSARs and FSARs. From August 1973 to December 1976, as a Licensing Engineer, had generic licensing responsibility for transient reclassification, Recirculation Pump Decoupler, ATWS concerns, and assisted in responding to NRC and utility concerns on generic licensing issues. From December 1976 to November 1979, as Senior Project Engineer-Legal, served as the GE technical expert on the state-of-the-art design concerning incore flow-induced vibration and Pressure Suppression Containment. From November 1979 to April 1981, served as the Program Manager (Containment Programs) for the Mark I-Load Definition Report, and was subsequently on loan to the Nuclear Safety Analysis Center to serve as the GE representative on the NSAC staff working on TMI post-accident concerns. From April 1981 to July 1981, as a Senior Licensing Engineer, was responsible for licensing interface with the BWR Service Department.

Jay O'Hern

GENERAL TRAINING SUPERINTENDENT

Education

B.S. Chemistry Georgia Southern College

M.EJ. Education Georgia Southern College

Nuclear Experience Summary

Operating:

Other: 3 years

Work Experience

Mr. O'Hern joined LP&L in June 1981. His professional experience includes three (3) years of teaching Chemistry and Physics at the High School and Junior College level in Georgia. Since joining LP&L Mr. O'Hern has served as Training Instructor, Training Supervisor, and General Training Superintendent. With responsibilities for Emergency Plan Training, General Employee Training, Fire Protection Training, Instructor Training and Training Support Activities. Mr. O'Hern has also completed requirements for and currently holds a Senior Reactor Operator License for Waterford 3.

Professional Affiliations

State of Georgia - Teacher Certification

Daniel F. Packer, Jr.

PLANT TRAINING MANAGER

Education

B.S. Business

Charter Oak College
Hartford, Conn.

A.S. General Studies

Middlesex Community College
Middletown, Conn.

Nuclear Experience Summary

Operating: Navy - 4 years

Commercial - 9 years

Work Experience

1982 - Present - Louisiana Power and Light Waterford 3 SES

Mr. Packer is responsible for management of the Training Department supervising the planning, staffing, directing, and controlling of Operator, Technical, and General Training.

1981-1982 - General Physics Corporation - Senior Engineer

Mr. Packer participated as a senior training instructor and project manager in corporate training activities. He presented classroom training programs covering nuclear power plant academic subjects, systems training, and transient/accident analysis to plant operations staff. He was presently involved in the planning and presentation of shift technical advisor training for candidates at Louisiana Power and Light Company's Waterford 3 SES.

1975-1981 - Connecticut Yankee Atomic Power Company - Senior Training Coordinator

Mr. Packer supervised, planned and conducted operator and STA training for Northeast Utilities Company employees. He participated as a key member of the plant training staff, reporting to the training supervisor. He was responsible for scheduling of all operator training programs and supervised and assisted other departmental instructors, prepared training budgets, and served as primary interface with vendors for simulator training materials. Mr. Packer served as a plant auxiliary operator for two years prior to assignment to the training department. Designed programs and performed instruction on Studsvik/CE Mini-simulator. He also obtained a Senior Reactor Operator License.

1969-1975 - U.S. Navy, Nuclear Power Program

Mr. Packer served with the U.S. Navy as a member of the crew of the USS TRUXTON from 1971 to 1975. His duties included plant electrical operator, electrical training, petty officer, maintenance petty officer and electrical division supply petty officer. Prior to this assignment, he was a student at several naval nuclear technology training facilities.

Mr. Anthony Pastor - System Engineering Department Head

Education

B.S. Mechanical Engineering	Tulane University
M.S. Applied Physics	Louisiana State University
M.S. Engineering	Tulane University

Nuclear Experience Summary

Operating:
Other: 5 years

Work Experience

Mr. Pastor worked as a Design Engineer on the Saturn Space program for Chrysler Corporation from 1966 to 1970. In 1970, he was promoted to Utility Engineer in charge of the Mechanical Maintenance Department at the Sterlington Station. In 1976, he was promoted to engineer in charge of the Mechanical Maintenance Department at Waterford 3, working with the Waterford 3 Project Group. He moved to the site in 1978 in this same position. In 1980, the Waterford 3 staff was reorganized and Mr. Pastor was named Plant Engineer. In addition, he was also placed in charge of Mechanical system startup and maintenance with the title of Mechanical Startup and Maintenance Engineer. In 1983, Mr. Pastor was named System Engineering Department Head. In the course of earning his Engineering Masters Degree from Tulane, he completed over 15 hours of nuclear courses. He has completed the LSU Health Physics Course, NUS Corp. "Introduction to Nuclear Power" and "Nuclear Energy Training" courses, the Combustion Engineering NSSS Series Lectures and Rockwell International's "Magnetic Particle", "Eddy Current", "Liquid Penetrant" and "Ultrasonic" training courses. He has also completed various management courses at both LSU and LP&L.

Professional Affiliations

Professional Engineer registered in the State of Louisiana

Mr. Walter E. Perks - STA Superintendent

Education

B.S. Liberal Arts

University of the State of
New York

Nuclear Experience Summary

Nuclear Navy Program: 7 years
Commercial Nuclear Power: 13 years

Work Experience

Mr. Perks joined Louisiana Power & Light Company in 1984. His nuclear experience includes service as Machinist Mate (E-6) aboard two nuclear powered submarines from 1963 to 1970. In 1964, he attended Naval Nuclear Power School. From 1970 to 1973, served as an Alternate Control Room Operator at Maine Yankee I, having received a Reactor Operator's license for that unit. From 1973 to 1976, served as a Shift Foreman at Three Mile Island Unit I, responsible for the supervision of those assigned to that shift. Mr. Perks received an SRO license for TMI-1. From 1976 to 1978, served as a Lead Instructor for the Babcock & Wilcox Simulator, responsible for providing training services and coordinating the activities of the instructors. From 1978 to 1982, served as Assistant Operations Manager at the Seabrook Nuclear Power Station. Responsibilities included staffing and organizing the operations department, and supervising the activities of the 60 operators. Also responsible for development of the station operating and emergency procedures and for representing New Hampshire Public Service on the Joint Test Group. From 1982 to 1983, served as a Senior Training Consultant providing training services to Arkansas Power & Light. Services included development, scheduling, and implementation of an operator requalification program.

Mr. P.V. Prasankumar - Technical Support Superintendent

Education

B.S. Electrical Engineering
M.S. Electrical Engineering

Birla Institute of Technology, India
Tulane University

Nuclear Engineering Summary

Operating:
Other: 12 years

Work Experience

Mr. Prasankumar joined Louisiana Power & Light Company in 1969 as an Associate Engineer at Nine Mile Point SES. In 1971, he was promoted to engineer in Charge of the Electrical Maintenance Department. In 1972, he was transferred to the Production Department and was actively involved in all aspects of nuclear generation design, licensing and planning in the company. In 1975, after the start of construction of Waterford 3, he was the Construction Coordinator onsite, which involved supervision of Ebasco's activity as Construction Manager. In 1977, he was promoted to Production Engineer in charge of the Maintenance Department at Waterford 3. In 1980, the Waterford 3 staff was reorganized and Mr. Prasankumar was named Maintenance Superintendent-Nuclear. In 1984, he was named Technical Support Superintendent. He has taken various courses in nuclear engineering at Tulane, and has attended the ALI-ABA Joint Committee Course on Atomic Energy Licensing and Regulation, MIT's Nuclear Power Reactor Safety Course, the Workshop on Nuclear Power and the Energy Crisis at ORNL, Basic Health Physics at LSU, N.U.S. courses "Introduction to Nuclear Power" and "Nuclear Energy Training", Waterford-3 Reactor Vendor Combustion Engineering's NSSS Lecture Series, and Reactor Operations Training Course at the University of Florida, Gainesville.

Professional Affiliations

IEEE Member
American Nuclear Society Board of Standards Review for ANSI/ANS 59.4-1979

Dr. Zeinab A. Sabri - Training Evaluator and Assurance Manager

Education

B.S. Electrical Engineering	University of Wisconsin
M.S. Nuclear Engineering	University of Wisconsin
Ph.D. Nuclear Engineering	University of Wisconsin

Nuclear Experience Summary

Operating:
Other: 10 years

Work Experience

Dr. Z. Sabri is a member of the IEEE Standards Committee SC-7 developing standards on human reliability and operator performance in nuclear power plants. She is a member of the executive committee of the Human Factors Division in the American Nuclear Society. Dr. Sabri is the manager of the Human Factors and Nuclear Safety Analysis Division of TII and the Director of the Nuclear Safety Research Group (NSRG) at ISU. NSRG is a multidisciplinary research group comprised of over 20 psychologists, human factors experts, statisticians and nuclear engineers. She has organized and chaired sessions on human factors in LWRs, authored and co-authored several papers on LWR operator reliability and performance and human factors; supervised 12 Ph.D. and 13 M.S. theses on operator reliability and human factors in LWRs, CANDU and HTGRs and is guest editor for a special issue of the Annals of Nuclear Energy on human factors in LWRs. Dr. Sabri was an invited lecturer at Georgia Tech. for a course on human factors safety and a guest speaker addressing the Human Factors Safety aspects of NUREG-696 and NUREG-700 with emphasis in ERF, SPDS, and personnel selection and training at NUS international symposium on the topic. Dr. Sabri has led efforts to develop data banks for human factors in commercial nuclear power plants. She was the principle investigator of several projects including: NSIC-ORNL, Evaluation of Human-Related LERs for LWR; NRC Operator Error Rate Evaluation Project; NRC Human Factors in Accident Initiation and Mitigation; Sandia/DOE Impacts of M&T on LWR safety; NSIC LER data analysis to examine human factors in plant operation, review of control room design for human factors consideration for Georgia Power. She served as an advisor to INPO, Criteria Development and Analysis Division, on program plans to develop guidelines and standards on operator performance. She also served as an advisor to NRC-NRR divisions of Human Factors Safety and Operational Data Evaluation on programs to authoritatively assess human performance in nuclear plants and to develop practical and effective means for performance improvements.

Dr. Sabri joined Louisiana Power & Light in December of 1981.

Education

BS Industrial Technology University of Wisconsin-Stout
AAS Electronics Technology Lakeshore Technical Institute, Wisconsin

Nuclear Experience Summary

Operating: 1 year

Other: 14 years

Work Experience

Mr. Seidl joined LP&L in February 1984. His professional experience includes all phases of Instrument and Control work for nuclear power plants from hands on troubleshooting and calibration to design and analysis associated with conceptual engineering and equipment procurement. Before joining LP&L, he was employed as Resident Engineer Startup Supervisor for Public Service Indiana at Marble Hill. In this capacity, he was in charge of a group of multi-discipline senior engineers acting as the technical interface to startup for all design related difficulties and change requests. Prior to this, Mr. Seidl was employed at Washintgon Public Power Supply System for one year on Central Engineering Staff and for 5 years on WNP-3. As a Senior Project Engineer on WNP-3, he was in charge of the I&C design and engineering work performed by the AE. This included review and approval of all AE products such as specifications, design drawings, system descriptions and the FSAR. As a Senior I&C Engineer on the WNP-3 Plant Staff, he was in charge of all I&C related plant technical work. The experience at WNP-3 gives Mr. Seidl an in-depth background to the current design and licensing issues associated with a CE NSSS. Prior to WPPSS, he was employed as a Senior I&C Engineer at Ebasco Services Inc. in New York. In this capacity he performed detailed conceptual design resulting in the issue of wiring drawings, logic diagrams, instrument drawings and specifications. He was the engineer in charge of the WNP-3 main control room design and applied Human Factors Engineering principals to the development of all plant controls several years before TMI revealed a need for this type of work. As an I&C Technician for Wisconsin Public Service at the Kewaunee Nuclear Plant, Mr. Seidl set up, debugged, and calibrated the entire process instrumentation system concentrating with the Reactor Protection System, the Engineered Safeguards System and the Incore and Excore Nuclear Instrumentation System. Prior to this, he worked in a similar capacity for Wisconsin Electric Power Co. at Point Beach where work was performed on both primary and BOP instrument systems during power operations.

Professional Affiliations

Instrument Society of America
Registered PE, State of Washington
Registration accepted, State of Indiana
Application Pending, State of Louisiana

Laurence R. Simon - Radwaste Engineer

Education

B.S. Industrial Technology
(Minor - Nuclear Science)

Louisiana State University
Baton Rouge, Louisiana

Nuclear Experience Summary

Operating:
Other: 12½ years

Work Experience

Mr. Simon joined LP&L in February 1977. His professional experience includes working for 3½ years as a Health Physicist for the Louisiana Division of Radiation Control, (LDRC) and 3 years working as a Radiation Safety Officer for industrial radiography companies. In 1970 he started working for the LDRC and for six months performed X-ray inspections on medical and dental facilities and then moved into the area of industrial uses of radioisotopes. In this area his work involved the licensing review, pre-inspection and document preparation, as well as post-inspection, license condition inspection and enforcement. He also performed shielding calculations for isotope facilities, and special form radioactive material evaluations. While working for radiography companies (1974-1976) he performed radiological audits, handled the companies dosimetry needs, performed site inspections, retrieved miss-connected sources and performed radiological training and re-training. Upon commencing work with LP&L in 1977, he was assigned for 14 months to a fossil fuel power plant in an I&C department for power plant training. In 1978, he was placed at Waterford 3 in the Health Physics department where procedures were developed, equipment evaluated and purchased, facilities designed, shielding studies reviewed, a pre-operation environmental base-line program set-up, took care of the licensing activities for agreement state radioactive material license. In 1982 he was promoted to the department head of the Radwaste Department and set up the organization that will handle all of Waterford 3's radioactive waste and de-contamination and housekeeping of all radiation controlled areas. In this position he was responsible for; procedure development, equipment selection, processing techniques, personnel selection, department training guidance and facilities design.

Professional Affiliations

Health Physics Society

Mr. Don T. Simpson - Technical Training Superintendent

EDUCATION

B.S. Nuclear Engineering	Mississippi State University Mississippi State, Mississippi
M.S. Nuclear Engineering	Mississippi State University Mississippi State, Mississippi

NUCLEAR EXPERIENCE SUMMARY

Operating: 4 months
Other: 20 years

WORK EXPERIENCE:

1983-Present LP&L, Technical Training Superintendent - In this capacity Mr. Simpson is responsible for the technical training programs for Maintenance (Electrical, Mechanical and Instrumentation and Control), Health Physics, Radwaste, Chemistry, Quality Assurance and Engineering.

1982-1983 - Nuclear Support Services, Nuclear Engineering Consultant - During this one year period Mr. Simpson served as a consultant to Waterford-3 assisting in the development of the Radioactive Waste Management Program.

1979-1982 - Mississippi State University, Assistant Professor, Nuclear Engineering- Mr. Simpson during this period taught undergraduate and graduate courses in Nuclear Engineering in the areas of reactor theory, radiological protection, Nuclear QA and Nuclear Engineering laboratories.

1969-1979 - Ingalls Shipbuilding - During this ten (10) year period, Mr. Simpson served in several senior supervisory positions while working on the construction, overhaul and refueling of fourteen (14) nuclear powered submarines. Mr. Simpson's duties were primarily directed toward radiological containments, radiological audits, radiological waste management program and nuclear emergency preparedness. He also served three (3) years during this period as the Nuclear Quality Assurance Director. In this capacity he directed all nuclear field inspection activities including receipt inspection and vendor surveillance.

1964-1969 - Mississippi State University, Nuclear Engineering Instructor - Mr. Simpson taught various Nuclear Engineering courses concerning reactor theory and radiological protection fundamentals. He also assisted in several research projects conducted by the Nuclear Engineering Department.

PROFESSIONAL AFFILIATIONS

Former President - Deep South Chapter Health Physics Society,
Former Chairman - Mississippi Chapter, American Nuclear Society (twice),
Former President - Mississippians for Energy Society Action
Registered Professional Engineer - State of Mississippi

Mr. Thomas H. Smith - Support Engineering Department Head

Education

B.S. Engineering

U.S. Naval Academy
Annapolis, MD

Nuclear Experience Summary

Operating:

Other: 13 years

Work Experience

Mr. Smith joined Louisiana Power & Light Company in October 1982, in the Startup organization. His professional experience includes nine years in the U.S. Navy aboard two nuclear submarines and four years with the Nuclear Regulatory Commission as an Operations Inspector. While in the Startup Group, Mr. Smith performed various Startup activities including: performance of system Preoperational Tests, Assistant Shift Test Director for the precore Hot Functional Test, Shift Test Director for the Containment Integrated Leak Rate Test and Test Director for the startup testing of the Security and Communications Systems. In March 1984, Mr. Smith was promoted to support Engineering Department Head. In this capacity he is responsible for the preparation and maintenance of the Technical Specifications, the equipment Environmental Qualification program, the Preservice and Inservice Inspection program and various major surveillance testing activities.

Mr. L.F. Storz - Assistant Plant Manager-Operations and Maintenance

Education

B.S. Mechanical Engineering

Purdue University
West Lafayette, Indiana

Nuclear Experience Summary

Navy Nuclear Power Program: 7 years

Commercial Nuclear Power: 13 years

Work Experience

From 1960 through 1967, Mr. Storz served in the United States Navy Submarine Program. He was certified as a Reactor Operator on both S3G and S5W plants and also served as a Nuclear Systems and Instrumentation and Control Instructor at the Charlestown Submarine Training Center.

From October 1971 through 1972, he was employed by Babcock and Wilcox Corporation. His responsibilities included the design of nuclear safety features and nuclear auxiliary support systems.

From 1972 through May 1980, Mr. Storz worked for Wisconsin Electric Power Company at the Point Beach Nuclear Plant. He filled various positions, including Operations Technical Assistant II and III, Operations Superintendent Assistant, System Fire Protection Officer, and Superintendent of Operations. Additionally, from November 1979 through March 1980, he was on loan to INPO as a utility representative. Mr. Storz also received a SRO License for Point Beach Units 1 and 2.

From June 1980 through May 1983, Mr. Storz worked for South Carolina Electric and Gas Company at V.C. Summer Nuclear Station where he functioned as the Operations Group Supervisor, Assistant Plant Manager. During this period, he received a SRO License on Unit 1. Mr. Storz was in charge of plant operation from preoperational testing through 75% power.

Mr. Storz's present position is the Assistant Plant Manager, Operations and Maintenance at Waterford 3 SES.

Mr. Charles John Toth - Operations Training Superintendent

Nuclear Experience Summary

Operating: 8 years
Other: 4 years

Work Experience

Mr. Toth joined Louisiana Power & Light Company in April, 1982. At that time he had twelve years of both military and civilian nuclear experience. Prior to coming with LP&L, Mr. Toth was employed for six months as a senior training engineer with Nuclear Support Services assigned as a training consultant to Waterford 3 SES. During this time he was responsible for reviewing FSAR for training commitments, reviewing Licensed Operator Requalification Program, Non-Licensed Operator Training, Cold Licensed Operator Balance of Plant Lesson Plans, and all Level C Lesson plans. From September 1974 to September 1981 he was employed at the Calvert Cliffs Nuclear Power Plant in Lusby, Maryland. While there, Mr. Toth spent two years in the Nuclear Power Training unit holding the positions of Training Instructor and later being promoted to Operations Instructor-Nuclear. As Training Instructor, Mr. Toth was responsible for the General Employee Orientation Training Program, the Respiratory Protection Training Program, the Prenatal Radiation Exposure Training, the Plant Specific Health Physics Training, the Security and Emergency Plan Requirements and coordinating the Radiation Monitor Personnel Training Program. While serving as an Operations Instructor-Nuclear, Mr. Toth was responsible for Licensed Operator Replacement Training, Senior Reactor Operator Upgrade Training, Licensed Operator Requalification Training, Performance Engineer Training and Plant Operator Training. During this time, Mr. Toth successfully conducted two Hot Licensed Reactor Operator Training Programs to completion as well as two Senior Reactor Operator Upgrade Training Programs, he authored, coordinated a position task analysis approach to outline training objectives for a plant operator training program and he also served as a technical point of contact and control for a 1.3 million dollar lesson plan/system description rewrite contract with Advanced Technology of McClean, Virginia.

Previous to becoming part of the Nuclear Power Training Unit, Mr. Toth spent from September 1974 to September 1978 in the Operations department as a senior plant operator and as a control room operator for approximately two and a half years. During this time, Mr. Toth operated Unit 1, assisted in the fuel load, initial criticality, startup and power ascension testing of Unit 2, and participated in five refueling outages.

Before starting his civilian career, Mr. Toth served for four years aboard the WS Enterprise in the United States Navy as the senior nuclear electrical watch on board.

Robert B. Willis NUCLEAR SAFETY SUPERVISOR

Education

B.S. Electrical Engineering (1972)

University of Alabama

Graduate Level Studies in

Electrical Engineering (18 Semester Hours)

University of Alabama
at Huntsville

Naval Officer Candidate School (1972)

Navy Nuclear Power and Prototype Training (1973)

Nuclear Experience Summary

Operating:

Other: 11 years

Work Experience

Mr. Willis joined LP&L in January, 1981 as a Utility Engineer-Nuclear in the ISEG Section. At that time, he had a total of 9 years in the nuclear industry, 5 years as an officer in the United States Navy, and 4 years in the nuclear utility industry. He came to LP&L from the Tennessee Valley Authority, where he was employed from 1977 to 1982. He started with TVA in 1977 as an Instrument Engineer in the Division of Construction at Bellefonte Nuclear Plant in Hollywood, Alabama where he provided engineering support for the installation and checkout of instruments and associated features. In 1979 he became an Instrumentation Engineering Group Leader where he was responsible for the organization and technical direction of all engineers, engineering associates, engineering aides, and contract personnel who were engaged in the installation of all nuclear safety-related instrument tubing. In 1981 he became the Instrumentation Field Engineering Supervisor where he supervised all engineering personnel responsible for the installation and checkout of the plants instrumentation and associated pipe and tubing. Prior to his employment with TVA, Mr. Willis served 5 years as an officer in the United States Navy which included the following experience: 12 months of Navy Nuclear Power School and Plant Prototype training; 2½ years on board the nuclear submarine USS Finback (SSN670), which included 1½ years of operational experience and 1 year during an overhaul; 1 year on board the USS Lapon (SSN661), where he was the Main Propulsion Assistant during an extensive overhaul and reactor refueling period.

Mr. J. Woods - Plant Quality Manager

Nuclear Experience Summary

Operating:

Other: 8 years

Work Experience

Mr. Woods is responsible for Quality Control at Louisiana Power & Light Company's Waterford 3 SES Nuclear Plant.

Upon completion of High School, he completed a course in applied practical electricity. He entered the U.S. Navy in 1948 and upon completion of the Navy Electrical School, served four years as an Electricians Mate. He was employed by Louisiana Power & Light Company in 1952, serving five years as a Power Plant Operator, two years as an Instruments and controls Technician, and five years as an Electrician prior to being promoted to Electrical Supervisor in 1964. He was promoted to Utility engineer in February, 1980 and assumed the position of Quality Control Engineer on the Waterford 3 Operating Plant Staff.

Since joining Louisiana Power & Light Company, he has successfully completed a course in Nuclear Science at Louisiana State University in Baton Rouge and numerous job related courses in the electrical and electronics field, supervision, Quality Assurance and Quality Control.

Since February, 1976, he has been actively involved with the Quality Assurance efforts associated with the construction, startup testing, and operations phases at Waterford 3.