



LONG ISLAND LIGHTING COMPANY

175 EAST OLD COUNTRY ROAD • HICKSVILLE, NEW YORK 11801

MILLARD S. POLLOCK
VICE PRESIDENT - NUCLEAR

May 8, 1984

SNRC-1044

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Management Organization
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

Per discussion with Mr. R. Caruso of your staff, enclosed please find the following:

- 1) Attachment 1 - two announcements providing information regarding recent changes in LILCO management.
- 2) Attachment 2 - two charts reflecting the revised organization.
- 3) Attachment 3 - Resumes for the following personnel: Messrs. Leonard, Steiger, Smith, Youngling, Kubinak, Gerecke. In addition, we have included resumes for the following: J. Scalice, Operations Manager; D. Terry, Maintenance Manager; J. Schmitt, Radiological Controls Manager; and J. A. Notaro, Outage/Modifications Manager.

Please note that the attached resumes referenced in Attachment 3 do not reflect their new positions.

Should you have any questions, please contact this office.

Very truly yours,

M. S. Pollock

M. S. Pollock
Vice President-Nuclear

MSP/ck
Attachment
cc: C. Petrone
R. Caruso

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TODAY

CORPORATE COMMUNICATIONS DEPARTMENT
LONG ISLAND LIGHTING COMPANY

ATTACHMENT 1

April 12, 1984

Executive Vice President James W. Dye, Jr., announced today the following managerial assignments as further implementation of the corporate reorganization announcement of Chairman Catacosinos on March 30, 1984.

Mr. Dye announced the appointment of John D. Leonard, Jr. as Vice President, Nuclear Operations. Mr. Leonard comes to LILCO from the Power Authority of the State of New York (PASNY) where he has served as the Manager of the James A. Fitzpatrick Nuclear Station and most recently as Vice President and Assistant Chief Engineer for Design and Analysis. He is a graduate of Duke University with a B.S. in Physics and the Naval Post Graduate School with an M.S. in Physics/Nuclear Engineering. The new LILCO Vice President served for 20 years in the United States Navy, retiring as a Commander.

Reporting to J. D. Leonard, Jr., Vice President, Nuclear Operations are: D. J. Binder, who becomes Assistant to the Vice President, Nuclear; E. J. Youngling, newly named Manager of Nuclear Engineering Department; W. E. Steiger, Manager Operations Department; and J. L. Smith who becomes Manager Nuclear Operations Support Department. R. A. Kubinak will fill the position of Director, QA and Nuclear Safety and report directly to Executive Vice President Dye.

Reporting to M. S. Pollock, Vice President, Fossil Production, are: A. L. Galloway, Manager of Electric Production Department; P. B. Simoni, Manager of Maintenance Services Department; and R. B. Steger, who has been newly named as Manager of General Services Department.

Reporting to J. R. Kessler, Vice President, Gas Operations, are: R. A. Bennett, Manager of Gas Supply; J. F. Hickson who becomes Manager Gas Customer Service Department; A. Asch named Manager Gas System Operations; and R. J. Driscoll named Manager Gas Engineering Department. J. A. Milano becomes Manager of the Gas Construction and Maintenance Department, which will perform the gas functions of the previous Underground Lines Department.

Reporting to J. J. Russell, Vice President of Customer Relations are: J. A. Fallor, Manager of the Customer Relations Department and T. E. Zeterberg, Manager of the New Business Department. Incorporated into the New Business Department are the New Business, Marketing and Market Analysis functions.

Reporting to M. C. Cordaro, Vice President of Engineering and Administration are: Assistant Vice President of Administration E. A. Argue; W. G. Schiffmacher, Manager, Electrical Engineering Department; H. F. Mattutat, Manager of Engineering Design and Mapping; M. N. Milhouse who has been named Manager, Environmental Engineering Department; and J. P. Novarro who becomes Manager of Power Engineering. Reporting to Assistant Vice President Argue will be D. E. Hunt, Manager of Stores Department; V. L. Elefante, Manager of Purchasing; J. J. Rofrano, Manager of Real Estate; S. L. Koslow, Director of Administrative Services; and A. N. Pietrow, Director of Computer Services.

Reporting to M. S. Procelli, Vice President of Employee Relations are R. X. Kelleher, Manager of the Employee Relations Department; and C. M. Gauck, Manager of the Office Services Department.

Reporting to J. G. Acker, Vice President, Electric Operations is Assistant Vice President, Electric Operations W. J. Museler. The following managers will report to Mr. Museler: E. D. Pushee who has been named Manager of the Distribution Engineering Department; W. H. Underwood, Manager of the Electric System Operations Department; J. M. Wetzel, Manager of Staff Services; H. K. Banach, Manager of Operations Analysis; and A. C. Seale. Mr. Seale becomes Manager of the Electric Lines and Services Department which will combine the electric functions of Customer Service and Overhead Lines. G. W. Wendel is named Assistant Manager of the Electric Lines and Services Department.

It was also announced that J. A. Weismantle has been named Manager of the Planning Department and will report to A. M. Madsen, Vice President of Corporate Planning. Mr. Weismantle will, however, continue his responsibilities for LERO planning. In addition, A. J. Fehrenbach has been named to the new position of Manager of the Managerial Audit Department.

A further description of the new departments will be issued shortly by the respective vice presidents.

end

March 30, 1984

ATTACHMENT 1

A public statement was issued at 4:00 p.m. today that announced, in connection with the Company's previously reported austerity plan, the following reorganization within senior management.

The Company has received and accepted requests for early retirement from Wilfred O. Uhl as President and a director; Charles J. Davis, Senior Vice President of Engineering and Purchasing; and Andrew W. Wofford, Vice President, Purchasing and Stores. Mr. Uhl will be available as an advisor to the Company on technical matters. The resignation of Thomas H. O'Brien, Senior Vice President of Finance, has also been received and accepted. Mr. O'Brien will be a financial advisor to Chairman William J. Catacosinos.

It was further announced that Dr. Catacosinos has also been elected as President in addition to his duties as Chairman and Chief Executive. In addition, James W. Dye, Jr., Senior Vice President of Operations, has been named to the new office of Executive Vice President, and George Sideris, who recently joined the Company as assistant to Mr. O'Brien, has been named Vice President of Finance. The gas operations and planning functions have been consolidated under two new vice presidents, Jay R. Kessler and Adam M. Madsen, respectively.

Dr. Catacosinos in the announcement stated, "This reorganization and the establishment of the position of Executive Vice President will enable the Company to consolidate management responsibilities and direct new emphasis in three important areas of LILCO - gas operations, nuclear operations and corporate planning. I believe the steps announced today, in addition to the previously reported substantial personal and financial sacrifices by our many loyal and dedicated employees, will help keep the Company economically viable while maintaining the record of excellent service to our customers.

Under the reorganization, Executive Vice President Dye will report directly to the Chairman and President, as will General Counsel E. M. Barrett, Secretary J. J. Kearney, Vice President of Finance G. Sideris, Vice President of Public Affairs I. L. Freilicher and newly elected Vice President of Corporate Planning A. M. Madsen.

Reporting to Executive Vice President Dye will be Vice President of Employee Relations M. S. Procelli, Vice President of Customer Relations J. J. Russell, Vice President of Electric Operations J. G. Acker and Vice President of Engineering and Administration M. C. Cordaro.

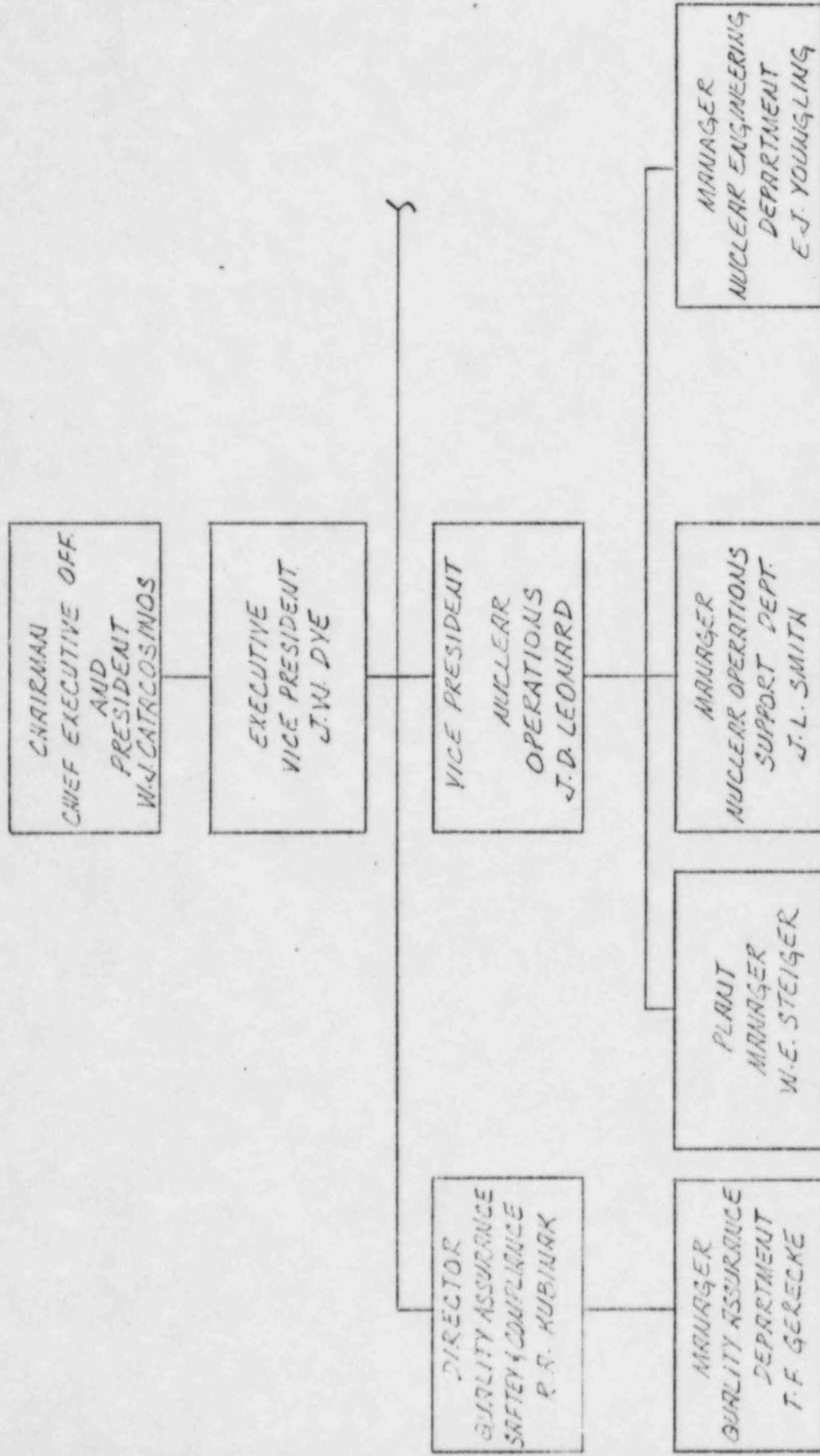
Also reporting to Mr. Dye will be newly elected Vice President of Gas Operations J. R. Kessler and M. S. Pollock who has been named to the new position of Vice President of Fossil Production. Mr. Pollock will, however, continue to perform his current nuclear responsibilities as Vice President Nuclear Operations until a new Vice President is named in the near future. During this interim period, Vice President Acker will assume the function of Fossil Production as well as Electric Operations. The position of Vice President of Nuclear will report to Mr. Dye.

In addition, Dr. Catacosinos announced that W. J. Museler has been named Assistant Vice President of Electric Operations reporting to Vice President Acker. Mr. Museler will continue to perform his current responsibilities as Director, Office of Nuclear during this critical transition period. Dr. Catacosinos also announced that E. A. Argue has been named Assistant Vice President of Administration reporting to Vice President Cordaro.

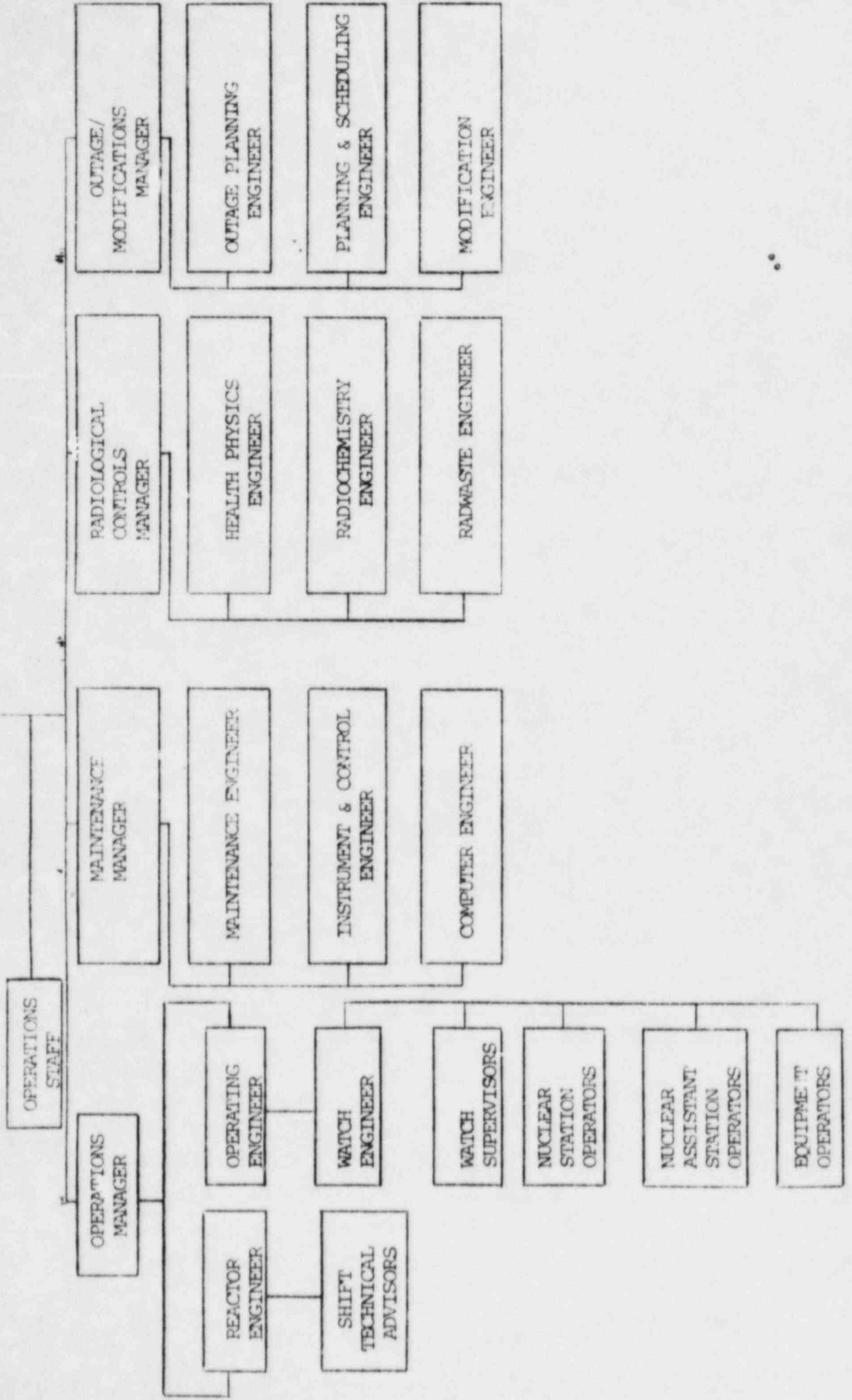
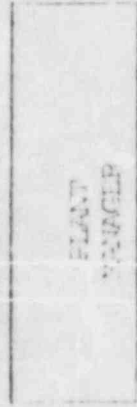
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DIRECTION OF EXECUTIVE RESPONSIBILITY

SHOREHAM NUCLEAR POWER STATION - UNIT 1



ATTACHMENT 2



JOHN D. LEONARD, JR.

PROFESSIONAL BACKGROUND

1976 - Present

Power Authority of the State
of New York

March 1980 - Present

Position:
Vice President and Assistant
Chief Engineer for Design and
Analysis

New York, New York

Reporting to the Company's Executive Vice President and Chief Engineer, Mr. Leonard is charged with the responsibility of creating and organizing a new department. Numerous professional positions are currently authorized. Beginning with a nucleus of 17 engineers, Mr. Leonard currently has 126 professionals in place. By the end of the year, he anticipates that he will have authorization to build his staff to an overall size of 128 individuals. This is supplemented by 70 contract engineers and designers.

The purpose of the Design and Analysis organization is three-fold. The first objective is to provide professional backup to line operating departments. Secondly, the group is charged with responsibility of monitoring the technical viability of proposals submitted to the Power Authority by outside contractors. Finally, the department has established an Internal Design Group for the purpose of handling many modifications previously performed by outside AE firms.

On one shielding project alone, Mr. Leonard cites a savings of over one million dollars as a result of the efforts of the Internal Design Group. The shielding project was accomplished at a cost of \$500,000 by the internal staff as opposed to the lowest outside bid of \$1,500,000. Additionally, Mr. Leonard points out that the Internal Design Group was able to devote more attention to detail than is typical of AE firms.

January 1976 - April 1980
August 1981 - January 1982*

Position:
Resident Manager, James A.
FitzPatrick Nuclear Plant

Scriba, New York

As Chief Executive and Administrative Officer of this 821 megawatt BWR plant, Mr. Leonard reported directly to the company's Executive Director. During this period, the plant had a budget of over \$30 million and a staff of 230 individuals.

*Asked to return to plant to solve a serious management problem.

JOHN D. LEONARD, JR.

PROFESSIONAL BACKGROUND
(continued)

In addition to being responsible for the safe operation of the nuclear plant, Mr. Leonard served as the plant's Emergency Plan Director and represented the Authority directly with the Nuclear Regulatory Commission Inspection and Enforcement Branch. Somewhat of an anomaly, he also acted as spokesman for the Authority in local public relations with the media, and he served as a member of the Authority's labor contract negotiating team.

Prior to 1976, the Fitzpatrick Plant was under the operational control of Niagara Mohawk. Because of financial limitations, Niagara was forced to turn over operation of the plant to the Power Authority of the State of New York. Mr. Leonard reports that within one year and four months he had completely restaffed the plant with licensed operators, technicians and mechanics. The operating license was then transferred to the Power Authority. According to Mr. Leonard, this was the first time this had ever been accomplished within the industry. Within two years, Mr. Leonard relates that the plant had been completely restaffed and that availability had been increased from its 1976 level of 40% to an availability of 81% in 1978.

Mr. Leonard relates that this availability was sustained until 1979 when the NRC required the plant to shut down as a result of pipe stress problems. Even during this time when expenditures of \$13 million over budget were required for modifications, the overall nuclear plant budget did not exceed \$45 million. Mr. Leonard contrasts this to the oil cost alone of \$150 million for one of their 850 megawatt fossil plants.

September 1974 - January 1976

Virginia Electric and Power
Company

Richmond, Virginia

Position:
Corporate Supervisor-Operational
Quality Assurance

Mr. Leonard spent this one and a half year period organizing the operational quality assurance function for VEPCO at both the corporate and plant levels. Activity included on-site surveillance, procedural enforcement and audits of all plant activities. This group of 21 individuals consisted of experienced nuclear operating personnel with expertise in various fields such as mechanical maintenance, electronics, operations, etc.

Throughout this time, Mr. Leonard served as an alternate member on the System Nuclear Safety and Operating Committee for the Manager of Licensing and Quality Assurance.

JOHN D. LEONARD, JR.

PERSONAL DATA

Residence Address: 38 Maple Moor Lane
Peekskill, New York 10566

Residence Telephone: (914) 737-0204

Age: 51 years

Height and Weight: 5'10"; 212 lbs.

Marital Status: Married, 4 grown children

EDUCATIONAL BACKGROUND

United States Naval Postgraduate school, Monterey, California
M.A. Physics/Nuclear Engineering with Minor in Radiation
Biology, 1962

Duke University, Durham, North Carolina
B.S. Physics, 1953

After finishing his undergraduate work, Mr. Leonard completed one year of graduate studies at Duke

As a result of his research in both plasma physics and advanced weapons systems, Mr. Leonard was elected to membership in Sigma Xi Honorary Research Society.

MILITARY BACKGROUND

1954 - 1974

United States Navy

Final rank - Commander

From 1969 until 1974, Mr. Leonard served as Commander of two nuclear ballistic missile submarines, the U.S.S. Abraham Lincoln and the U.S.S. Benjamin Franklin. His overall experience in nuclear power while in the Navy spanned a twelve year period. The balance of his naval experience was spent in other high technology areas.

In 1964 Mr. Leonard was called in from the fleet to serve as Manager of a Secretary of the Navy study group. This study group was concerned with analyzing a prospective advanced fleet ballistic missile design.

Other naval responsibilities included the preparation and preliminary examination of Chief Engineers for certification by Vice Admiral Rickover. Mr. Leonard was Qualified Engineering Watch Officer S-1-C reactor.

Decorations, medals and commendations received by Mr. Leonard include the National Defense Service Medal with one Bronze Star, the Navy Commendation Medal and the Polaris Patrol Pin with two Silver Stars.

After twenty years of service, seventeen of which were at sea, Mr. Leonard retired from the Navy with an Honorable Discharge.

Jeffrey L. Smith

Manager, Colt Diesel Generator Project

Assigned to the position of Manager, Colt Diesel Generator Project in December, 1983, reporting to the Vice President of Nuclear. Has overall responsibility for all engineering, construction and procurement activities associated with an alternate emergency diesel generator system. Has direct responsibility for planning and scheduling, cost control and contractual negotiations for the project.

Graduated from Clarkson College of Technology in 1967 with a Bachelor of Science in Mechanical Engineering. Received a Master of Science degree in Nuclear Engineering in 1978 from Polytechnic Institute of New York.

Completed the General Electric Boiling Water Reactor Simulator Program in December, 1979 and obtained a certificate as a Senior Reactor Operator.

Completed the following industry seminars and training programs:

- a) BWR Observation Training - General Electric Company
- b) Nuclear and Core Physics - General Physics Corp.
- c) PWR Orientation Course - Westinghouse Electric Corp.
- d) Practical Nuclear Power Plant Technology - General Physics Corp.
- e) Ginna Station Systems Training - Rochester Gas and Electric Corp.
- f) QA Audit Techniques - L. Marvin Johnson & Associates, Inc.
- g) QA Introduction - Rochester Gas and Electric Corp.
- h) Lead Auditor Qualification - Rochester Gas and Electric Corp.
- i) Practical Welding Metallurgy - American Welding Society
- j) Industrial Radiography - Eastman Kodak Company
- k) BWR Operating Fundamentals (Simulator) - General Electric Company
- l) Energy QA Seminar - American Society for Quality Control

1981 - 1983

Held the position of Manager, Special Projects, reporting to the Director, Office of Nuclear. Had overall responsibility and management of technical licensing matters associated with the Shoreham project. Had responsibility for the coordination of all matters dealing with NRC Inspection and Enforcement. Had responsibility for the direction and coordination of incoming and outgoing NRC correspondence. Had responsibility for the Shoreham Plant Configuration Review Program. Had responsibility for the coordination of the ASME N-5 Certification Program, Large Bore and Small Bore Piping "As-Built" Program, Maintainability Task Force, Small Bore Piping and Instrumentation Design Groups, and Station Modification Support Program.

Jeffrey L. Smith
Manager, Colt Diesel Generator Project

1979 - 1981

Held the position of Regulatory Supervisor reporting to the Manager, Nuclear Operations Support Division. Had overall responsibility for the management and coordination of nuclear regulatory matters which are under the jurisdiction of the Vice President - Nuclear. These regulatory matters include licensing and compliance activities associated with maintaining a full power operating license, Nuclear Review Board affairs, special compliance projects and programs and company commitments to Federal, State, and local agencies. Directed and participated in the development of corporate policies and department procedures for these activities. Provided direct support to the Vice President - Nuclear for special management and technical projects.

1976 - 1979

Held the position of Manager, Operational Quality Assurance at the Long Island Lighting Company. In this position, I was responsible for establishing and assuring the overall implementation of the Operational Quality Assurance Program, defining the content and changes to the Operational Quality Assurance Manual and evaluating the manner in which quality affecting activities both onsite and offsite are conducted by means of checks, reviews, audits, surveillance and inspections. During this period, I directed engineering personnel in the development of an Operational Quality Assurance Program and Procedures Manual and participated in audits of Shoreham Station. As the Manager, Operational Quality Assurance, I conceptualized and developed a Nuclear Operations Corporate Policy Manual which is presently utilized to define corporate organizational interfaces and responsibilities relative to the operation and support of Shoreham Station.

1975 - 1976

Promoted to the position of Manager, Operational Quality Assurance. To develop an orientation into the quality assurance functions of an operating nuclear station, I was assigned to Rochester Gas and Electric Corp's. Quality Assurance Department reporting to the Manager. During this assignment, I worked on the Station QC staff, participated in surveillances and inspection activities, led audits of station, operations, equipment deficiency, measuring and test control. In addition, I participated in audits of two emergency plan drills, station organization and training, surveillance testing and station modifications. I received certification as a qualified lead auditor.

Jeffrey L. Smith
Manager, Colt Diesel Generator Project

1974 - 1975

Assigned to Hicksville Operations Center as the Staff Engineer in the Electric Production Department responsible for coordination and liaison with the Jamesport Nuclear Project on all matters dealing with operations staffing, training, Service Building layout and operational reviews. In addition, I was responsible for the direction of turbine, boiler, capability and equipment performance testing of all electric generating stations on the LILCO system.

1972 - 1974

Held the position of Operations/Controls Engineer at the Northport Power Station (three 400 MWe units) on the Long Island Lighting Company system at which time I was responsible for the direction of all operations, instrumentation, controls, testing and water chemistry functions at the station. During this period, I was also involved with the startup and initial operation of Unit No. 3 at Northport Power Station.

1969 - 1972

Resumed employment at the Long Island Lighting Company. Held the position of Associate Engineer and Plant Engineer at the Northport Power Station in carrying out various management and engineering responsibilities relating to operation, maintenance and administrative activities in a large fossil generating station.

1967 - 1969

Served in the U. S. Army as Mechanical Engineering Assistant at Munitions Command Headquarters, Picatinny Arsenal, Dover, New Jersey. In this capacity, I was responsible for the formulation of investigative testing programs to determine the cause of malfunctioning munitions released to the field. I received the Certificate of Achievement for outstanding accomplishment during the period.

1966 - 1967

Employed by the Long Island Lighting Company and assigned as Assistant Engineer at the Port Jefferson Power Station. In this position, I was responsible for various operations and

Jeffrey L. Smith
Manager, Colt Diesel Generator Project

1966 - 1967 (continued)

maintenance administrative activities and for the design and installation of numerous modifications at the station.

A member of the American Nuclear Society and American Society of Mechanical Engineers.

WILLIAM E. STEIGER JR.
Chief Operating Engineer
Long Island Lighting Company

9/1/81

Assigned as Chief Operating Engineer of the Shoreham Nuclear Power Station in January 1975. Responsible for managing, administering, evaluating and coordinating all functions in the Operating, Maintenance, Training, Security and Administrative Sections within the plant organization. These responsibilities include operation and maintenance of the station's nuclear reactor, electrical generating and mechanical equipment; formulation of training programs for licensed operators and non-licensed operators, licensed and non-licensed fuel handling personnel, maintenance and security personnel; review and implementation of training programs for technical and supervisory personnel; management of the station's fire protection program and fire brigade; identification and procurement of necessary plant equipment and spare parts to support the activities of assigned station sections; management of the station's security program; and development and review of the operations, maintenance, training, security and administrative portions of the station operating manual and corresponding areas of the SNPS FSAR.

Graduated from Chaminade High School, Mineola, New York in 1961. Graduated United States Merchant Marine Academy in 1965 with a Bachelors Degree in Marine Engineering. Received Masters Degree in Nuclear Engineering in 1971 from Long Island University.

Completed United States Maritime Administration academic, simulator, and on-the-job training programs in 1966, and obtained an Atomic Energy Commission Reactor Operator License (OP-2103) for the N.S. Savannah. Upgraded Atomic Energy Commission license to Senior Reactor Operator (SOP-914) in 1967.

Completed a training program with the General Electric Startup Group in December 1973 at Cooper Nuclear Station and obtained a certificate from General Electric as a Senior Reactor Operator.

Completed a training program with Cooper Nuclear Station Operations Personnel in March 1974 and obtained a certification from the Atomic Energy Commission as a Senior Reactor Operator.

Completed the following industry seminars and training programs:

- a) Boiler Control Fundamentals - General Electric Co.
- b) Fundamentals of BWR Operation - General Electric Co.
- c) Process Computer Concepts & Practices - Honeywell
- d) Maintenance of Electrical Equipment - National Electric Coil
- e) NDE - Ultrasonic Testing - Rockwell International
- f) Advanced Supervisory Workshop - LILCO
- g) Management Workshop - LILCO
- h) Fire Fighting Training - Suffolk County Fire Training Center
- i) Maintenance Welding in Nuclear Power Plants - AWS and EEI

September 1980 - November 1980

Assigned to the Vermont Yankee Nuclear Power Station during the 1980 refueling and maintenance outage. The scope of this assignment included management review and continuous updating of the major critical path activities and outage schedule with recommendations for future improvements.

Participated in daily outage and Plant Operations Review Committee meetings, and NRC I&E Inspection exit interviews during the outage. Participated in reactor refueling and inspection activities.

August 1978

Assigned to Vermont Yankee Nuclear Power Station to observe startup of the unit following a refueling outage. Witnessed the completion of the integrated leak rate test and reactor inservice hydrostatic pressure test. Observed preparations for and accomplishment of approach to criticality, criticality, plant heat-up and transfer to run.

April 1973 - December 1974

Assigned as Operations Engineer for the Shoreham Nuclear Power Station. During this period I completed assignments to the LILCO Project Engineering Group as Lead Nuclear Engineer, and General Electric Company Startup organization at the Cooper Nuclear Station. Responsibilities included development of the licensed operator training program and preparation of Chapter 13.2 of the SNPS FSAR.

July 1973 - June 1974

Assigned to the General Electric Company Startup organization at the Cooper Nuclear Station. Responsibilities included preparation of preoperational test procedures, conduction of preoperational tests and preparation of test results analysis for NSSS and BOP systems. Participated in initial core loading and assisted General Electric Company Startup, test, design and analysis (STD&A) personnel as a member of the GE Co. Startup group during the power ascension test program. During this assignment, I also trained, examined and received SRO certifications from both the General Electric Company and the Atomic Energy Commission on the Cooper Nuclear Station.

July 1972 - July 1973

Assigned as Lead Nuclear Engineer to LILCO's Shoreham Project Engineering Group. Responsible for LILCO's design review of NSSS systems, and monitoring the design interface between the NSSS supplier (GE Co.) and the architect-engineer (S&W). This included review against AEC safety guides, ASME Codes and IEEE Codes for all NSSS systems and equipment. Also responsible for design basis inputs and design review of the radwaste building and radwaste systems.

October 1971 - July 1972

Assigned as Startup Engineer BOP for LILCO's 385 Mwe Northport Unit No. 3. Responsible for initial checkout and preoperational testing for all Balance of Plant systems including the turbine-generator; preparing BOP sections for the Unit No. 3 operating manual; instructing personnel in the operation, testing and maintenance of new equipment; and shift supervision of initial plant startup.

April 1971 - September 1971

Assigned to LILCO's Engineering Department to assist the Shoreham Nuclear Project Licensing Engineer in the detailed design review of the Shoreham Nuclear Power Station.

July 1968 - March 1971

Assigned to LILCO's Glenwood Power Station as Assistant Engineer (7/68 - 12/69), Associate Engineer (1/70 - 1/71) and Plant Engineer (1/71 - 4/71). Responsible for review and approval of mechanical and electrical engineering design changes to convert oil handling systems to handle, store and burn low sulfur fuel oil. Also, responsible for planning and supervising major generating turbine and boiler overhauls, and manpower requirements for routine and outage maintenance activities.

September 1965 - June 1968

Assigned by First Atomic Ship Transport, Inc. (FAST) as Marine Engineer aboard the N.S. Savannah. Trained and received AEC Reactor Operator license OP-2103 and Senior Reactor Operator license SOP-914. Responsible as RO and SRU for safe operation of the reactor and all plant systems and equipment. Qualified as plant shift chemist with responsibility for analyzing and maintaining plant chemistry limits. Completed all required training for shift health physics coverage.

Assisted in training reactor operator trainees by instructing and supervising plant startups, shutdowns and power changes during training periods and AEC license examinations. (Approximately 60-70 reactor startups)

As Senior Reactor Operator, responsible for calculating fission product inventories and time to melt calculations, and for supervising core physics and control rod worth tests. Also responsible during reactor shutdowns for performing maintenance on nuclear and balance of plant equipment, and functional and hydrostatic testing of plant systems and components.

Societies, Licenses and Committees

Member of the American Nuclear Society and the ANS-Reactor Operations Division Executive Committee.

Member of the American Society of Mechanical Engineers.

Licensed Marine Engineer - United States Coast Guard.

Atomic Energy Commission Reactor Operator License (OP-2103) for N.S. Savannah.

Atomic Energy Commission Senior Reactor Operator License (SOP-914) for N.S. Savannah.

Atomic Energy Commission Senior Reactor Operator Certification on Cooper Nuclear Station Docket No. 55-4746 dated May 28, 1974.

Member BWR Standardized Technical Specification Committee.

Member BWR Owners Group - Emergency Procedures Guidelines Committee.

T. Frank Gerecke

Quality Assurance Manager

The Quality Assurance Manager has overall responsibility for establishing and assuring implementation of the LILCO Quality Assurance Program for the design, construction and operating of the Shoreham Nuclear Power Station. He reports to the Vice President, Engineering, who, in turn reports to the Senior Vice President, Engineering and Purchasing who is responsible to the President of the Company. The position has the authority and organizational freedom to identify quality problems, to initiate, recommend or provide solutions and to verify implementation of solutions.

Graduated from the Georgia School of Technology in 1945 with a Bachelor of Science Degree in Electrical Engineering and from the U.S. Naval Postgraduate School in 1955 with a Master of Science Degree in Physics. Completed the academic requirements for a Master of Science Degree in Nuclear Engineering at the C.W. Post College of Long Island University.

1972 - Present

Became Quality Assurance Manager in 1972.
Position described above.

1965 - 1972

Engineer in the Gas Engineering Organization of the Long Island Lighting Company. Responsibilities included preparation of specifications and procurement documents, drawing review, vendor inspection, and surveillance of prime contractor performance during the installation of high pressure gas mains and the construction of a liquefied natural gas plant.

1943 - 1965

United States Navy. Retired as a Commander in 1965.

Member of the Quality Assurance Committee of the Edison Electric Institute.

Registered Professional Engineer in Quality Engineering in the State of California.

7/11/83

ROBERT A. KUBINAK, Manager
Nuclear Operations Support Department
Long Island Lighting Company

The Manager, Nuclear Operations Support Department, reports to the Vice President-Nuclear and has the responsibility to provide headquarters technical and non-technical support for the operating Nuclear Station. The prime objective of this support effort is to enhance the safe, reliable and economic operation of the nuclear facility by maintaining an effective interface and flow of information between the nuclear station and regulatory agencies, company departments and outside resources. Within this objective, the Department is charged with the specific responsibility of accomplishing long range operating type functions based in headquarters. These include administration of the corporate Nuclear Review Board, conduct of special studies, long range outage planning, compliance with Federal and State Law, records management, project participation and coordination for major nuclear plant additions and modifications, regulatory representation, industry representation, evaluation of plant performance, coordination of corporate nuclear policy, the conduct of special programs, nuclear budget and cost control, independent safety engineering studies and nuclear training coordination.

Graduated from Rensselaer Polytechnic Institute in 1953 with a Bachelors degree in Electrical Engineering (BEE). Received a Masters of Business Administration (MBA) from Dowling College in 1979. Complete the requirements for a Master of Science (MS) Degree in computer science in December 1982 from Polytechnic Institute of New York.

Received a New York State Professional Engineering License in 1975.

Completed the General Electric Boiling Water Reactor Simulator Training Program and was certified as a Senior Reactor Operator. Tested by Atomic Energy Commission examiners and received a dual certificate as a Reactor Operator for Dresden Nuclear Power Plant Units #2 and #3.

Completed the following industry seminars and training programs:

- a) Introduction to Nuclear Power - NUS Corporation
- b) Radiation Protection - LILCO Evening Institute (Instructor)
- c) Nuclear Power - LILCO Evening Institute (Instructor)
- d) Quality Assurance for the Nuclear Industry - General Physics
- e) Ultrasonic Nondestructive Testing - Magnaflux Corporation
- f) Radiographic Examination - General Dynamics Corporation
- g) PWR Operation and Simulation - Westinghouse Corporation
- h) Nuclear Reactor Safety - MIT
- i) Boiling Water Reactor Simulator General Electric Company

1969 - 1978

Assigned as Plant Manager for the Shoreham Nuclear Power Station in 1969. Responsible for the establishment and training of the Shoreham plant staff to qualify for nuclear plant operation. Additional responsibilities included the representation of the Electric Production Department in Shoreham engineering activities with LILCO engineering groups, associated engineering firms and consultants. Engaged in technical licensing efforts with federal, state and local regulatory groups.

Assigned as a working member of the General Electric startup team for the Commonwealth Edison Dresden Nuclear Station Units #2 and #3 for a period of 15 months. Responsible for the startup and preoperational testing of the Reactor Recirculation System and the Circulating Water System including auxiliaries and support systems from initial construction turnover through 100% power operations. Directly assisted the responsible engineers in the startup and testing of the Control Rod Drive System, Core Spray System, LP and HP Coolant Injection System, Isolation Condenser and the Containment Leak Rate.

Assigned on shift as assistant to the General Electric Shift Superintendent. Operated at the reactor control board and performed three (3) reactor criticals and one (1) turbine roll as unit was returning to service. Performed numerous generator load changes while above and below 50% reactor power using recirculation flow and control rod positioning. Performed an additional two (2) training criticals. Operated at the reactor control board and performed stuck control rod surveillance testing and control rod friction tests.

Participated in unit startup and shutdown procedures which included surveillance testing, valve check-off list verifications, drywell inspection, and heatup and cooldown activities. Participated in fueling and refueling activities on both Unit #1 and #2 reactor cores. Assisted in reactor core and jet pump inspections, fuel channeling, spent fuel inspection and sipping, reactor core radioactive source and instrumentation removal and installation.

Prepared or verified procedures written for non-normal shift operation. Participated in daily plant staff coordination meetings and was an observer in periodic plant and Corporate Safety Review Committee meetings.

1965-1969

Chief Engineer, Northport Power Station, in the Electric Production Department. Directed engineering, supervisory and non-supervisory personnel in the startup, operation and maintenance of two 400 MW steam generating units. Initiated design reviews, recommended revisions, and directed field modifications. Responsible for economic studies and equipment evaluation.

1963 - 1965

Operations Engineer of the Glenwood Power Station. Responsible for the direction of the operations personnel in the operation of plant equipment. Developed operating procedures and techniques to optimize plant efficiency and reliability.

1961 - 1963

Maintenance Engineer at the Port Jefferson Power Station. Responsible for the maintenance of power plant systems and equipment. Directed repair efforts through foremen and mechanics. Responsible for the design, instrumentation and installation of subsystems including power piping and electrical power distribution.

1957 - 1961

Plant Instrument and Control Engineer at Port Jefferson Power Station. Directed the efforts of engineers and technicians in startup and maintenance of power plant electronics, pneumatic, and hydraulic control systems.

1955 - 1957

Assistant Engineer in the Electric Production Department. Training assignments included the startup of accessory electrical equipment, maintenance of power plant equipment; developing techniques to optimize equipment performance and reliability, completed assignments in the maintenance of power plant electrical instrumentation; and the analysis and reporting of performance data for electrical generating units.

1953 - 1955

Radar Maintenance Officer with the U.S. Air Force Air Defense Command. Responsible for the analysis of radar equipment performance and malfunctions, directed calibration and repair through maintenance technicians.

A member of the New York State Society of Professional Engineers.

Registered Professional Engineer, State of New York. AEC Certified Reactor Operator, Dresden Units #2 and #3, Commonwealth Edison Company.

Edward J. Youngling
Startup Manager

Assigned as Startup Manager in March 1981. Responsible for the Preoperational test activities for the Shoreham Nuclear Power Station. Report to the Shoreham Project Manager during the period prior to fuel load and to the Plant Manager at a time before fuel loading designated by the Project Manager. Responsible for coordinating all Checkout & Initial Operations and Preoperational Testing. Set initial construction priorities by system/subsystem and monitor construction progress as it relates to the startup schedule. Have the authority to modify construction schedule as conditions demand. Chairs construction release meetings at which status of construction, as it relates to systems scheduled to be released, is discussed. Participates in the meetings of the Joint Test Group. Ensure that the established procedures of documentary control are followed. Responsible for the review, monitoring, supervision and approval of Checkout & Initial Operations Tests, Preoperational Tests, and Acceptance Tests, review of all test results summaries and recommend acceptance, rejection or modification by the JTG according to results. Responsible for the production of all the Software required for testing of Shoreham.

Graduated from Lehigh University in 1966 with a Bachelor of Science Degree in Mechanical Engineering. From June 1966 to March 1968 attended Union College and achieved credits towards a Masters of Science Degree in Nuclear Engineering. Successfully completed the following training courses:

- "Introduction to Nuclear Power" by NUS Corp., July 1970
- "Boiler Control Fundamentals" by General Electric Co. at the G.E. Simulator, August 1972
- "Process Computer Concepts and Practices" by General Electric Co., February 1973
- "Shoreham Research Reactor Training Program" at Brookhaven National Laboratory Medical Research Reactor (NRC SROC license candidate research reactor training requirement), May 1975
- "Planning for Nuclear Emergencies" by Harvard School of Public Health, May 1976
- "Interagency Course in Radiological Emergency Response Planning in Support of Fixed Nuclear Facilities" by Nuclear Regulatory Commission, September 1978
- "Customer Engineer Training Program in the Methods Used to Conduct Maximum Turbine Capacity Tests and Analyze Results to Detect and Correct Cycle Losses" by General Electric Co., Large Steam Turbine Division, September 1979
- "Shoreham Nuclear Power Station On-site Training Program" (NRC SROC license candidate plant systems training requirement), January-April 1979

Edward J. Youngling

"LILCO Advanced Supervisory Workshop," April 1979

"LILCO Management Workshop," December 1980

- Achieved a Senior Operator Certification from the General Electric Company on the Duane Arnold Energy Center Boiling Water Reactor.

May 1979-March 1981

Assigned as Nuclear Services Supervisor in May 1979, reporting to the Manager, Nuclear Operations Support Division. Responsible for the management and coordination of those support services required by LILCO Nuclear Power Stations. These support services include coordination of major station modifications, performance of operational design reviews, coordinating the resources of other LILCO Departments and outside consultants to achieve a desired result assigned to the Division, coordinating long-range planning activities associated with plant maintenance, fuel cycle strategy and budget and cost control, monitoring overall plant and individual equipment performance, maintaining a current knowledge of federal regulations, industry codes and standards, and changes thereto applicable to the facility.

Participated on the LILCO Corporate Task Forces assessing Shoreham design and operations, corporate communications, and overall company emergency preparedness following the Three Mile Island Unit 2 accident. Responsible for the Shoreham Control Room human factor design review.

Developed the corporate policy manual defining interdepartmental responsibilities for the LILCO Nuclear Program.

February 1975-May 1979

Assigned as Chief Technical Engineer of the Shoreham Nuclear Power Station-Unit 1 in January 1975. Responsible for the activities of the Instrumentation and Control, Health Physics, Radiochemistry and Reactor Engineering Sections of the plant staff, including the development of administrative and technical programs and procedures to meet regulatory, company and industry requirements; and the training of professional personnel and technicians to satisfy qualification standards. Served on the plant Review of Operations Committee (ROC) and when designated acted as Chairman of the ROC in the Plant Manager's absence. Served as a member of the plant Licensed Source User's Committee as stipulated in NRC Nuclear Material License No. 31-17432-01, February 1977.

Edward J. Youngling

August 1974-January 1975

Reassigned to the plant staff as the Instrumentation and Control Engineer, then Acting Chief Engineer-Technical. Responsible for manpower planning and the development of the technical training programs for subordinate personnel. Participated in generating portions of the Shoreham Safety Analysis Report, and in the review and approval of plant operating procedures, lesson plans and system descriptions.

July 1973-July 1974

Named the Instrumentation and Control Engineer for Shoreham Nuclear Power Station and assigned to the General Electric Company Startup, Test and Operations (STO) organization at the Duane Arnold Energy Center in Cedar Rapids, Iowa. Participated in the preoperational test program in the areas of nuclear instrumentation, process radiation and reactor vessel instrumentation. Acted as G.E. shift engineer during fuel loading operations and as assistant to G.E. shift engineer during startup testing and power ascension program. Participated in the G.E. shift engineer training program and sat for the G.E. Certification Examination for DAEC.

August 1972-June 1973

Reassigned to Shoreham Nuclear Power Station Project as the Assistant Project Engineer, then Project Engineer. Responsible for overall plant design control. Coordinated design effort between LILCO, Stone and Webster Engineering Corporation, General Electric Co. Nuclear Energy Division, various major equipment suppliers and regulatory agencies.

November 1971-July 1972

Reassigned to the Northport Power Station to participate in the startup of Northport Unit No. 3. Directly responsible for the startup of the boiler for this 380MW unit including the fuel safety system, the combustion control system and associated mechanical equipment. Assumed overall plant shift operations responsibility during the latter stages of startup. Was an instructor in the Unit No.3 systems training program given to plant supervisors, operators, technicians, and mechanics.

Edward J. Youngling

November 1969-October 1971

Assigned to the Shoreham Nuclear Power Station Project in the Nuclear Engineering Department. Participated in the engineering review of the Shoreham plant design in the following areas: plant equipment layout, equipment specifications, equipment selection, main control board design, plant operations logic, plant instrumentation, plant computers. Review included contacts with the A-E, Stone and Webster, NSSS supplier, General Electric Company, various vendors and visits to several nuclear stations.

April 1968-October 1969

Employed by the Long Island Lighting Company and assigned to the Northport Power Station. During the period, assisted in the startup of Northport Unit 2, assisted in the station maintenance section supervising routing and shut-down maintenance activities and acted as the station Results Engineer responsible for the repair and calibration of the station instrument and control systems and for monitoring station performance.

June 1966-March 1968

Employed by the General Electric Company at the Knolls Atomic Power Laboratory. Stationed at the West Milton Site as a Mechanical Test Engineer on the S3G Prototype "USS Triton" submarine. While at the S3G plant my responsibilities were to prepare procedures for tests and operations which were not in accordance with normal plant operations; supervise the actual tests, analyze the results and issue reports to the AEC. The following specific activities were engaged in: completed selected sessions of the Engineering Officer of the Watch Training Course, participated in numerous plant tests including routing low power physics testing including directing reactor control rod movements through Navy reactor operators, maneuvering transients, main coolant pump tests, power runs, various engine room tests and ultrasonic testing to trend pipeline degradation. Participated in Advanced Reactor Control Program as Lead Shift Test Engineer, including completion of required training program, and performing preoperational tests and integrated plant acceptance testing.

Member - American Nuclear Society. Hold a Guest Associate Engineer appointment in the Reactor Division at Brookhaven National Laboratory. Member-Pi Tau Sigma. Hold an Engineer in Training Certificate-State of Pennsylvania (State Registration Board for Professional Engineers).

Jack A. Notaro
Chief Operating Engineer
Long Island Lighting Company

Assigned as Chief Operating Engineer of the Shoreham Nuclear Power Station in April 1983. Responsible for the formulation and implementation of the training programs for all Station personnel; development and review of the Operations, Training and Security Sections of the Station Operating Manual; and the overall management of the Operations, Training and Security Sections of the Station. Additional responsibilities include the maintenance of Nuclear Regulatory Commission Senior Reactor Operator License #SOP-4419 obtained in November, 1982.

Graduated from Brooklyn Technical High School in 1965. Graduated from City College of New York in 1970 with a Bachelor's Degree in Mechanical Engineering. Received a Masters of Business Administration Degree in 1974 from Adelphi University.

Completed the General Electric Co. Boiling Water Reactor Simulator Program in July, 1976, and obtained certification as a Senior Reactor Operator.

Completed the following industry seminars and training programs:

- a) BWR Design Orientation - General Electric Co.
- b) BWR Technology - General Electric Co.
- c) Nuclear Power Plant Technology - General Physics Corp.
- d) BWR Observation Training - General Electric Co.
- e) Degraded Core Conditions - General Electric Co.
- f) Refueling Activities - General Electric Co.
- g) Radiation Protection - LILCO Evening Institute
- h) Basic Applied Health Physics - Brookhaven National Laboratory
- i) Vibration Analysis - IRD Mechanalysis, Inc.
- j) Statics, Strength of Materials & Dynamics - LILCO Evening Institute
- k) Management of Maintenance Storekeeping & Inventories - Management Dynamics Institute
- l) QA for the Nuclear Industry - Stat-A-Matrix and General Physics Corp.
- m) Inservice Inspection & QA During Operations - Southwest Research Institute
- n) Basic Radiography - Corvair Division of General Dynamics
- o) Magnetic Particle & Liquid Penetrant Testing - Magnaflux Corp.
- p) Basic Ultrasonics - Automation Industries
- q) Nuclear Power QA - Long Island Section of AQSC
- r) Inservice Inspection Symposium - Mirror Insulation
- s) Operations Quality Assurance - Stat-A-Matrix
- t) Reactor Research Training - Brookhaven National Laboratory

June 1970 - Present

Employed by Long Island Lighting Company.

July 1978 - April 1983

Assigned as Operating Engineer of the Shoreham Nuclear Power Station in July, 1978. Responsible for the development and implementation of the Station's operational activities including the direction of day to day operation of the unit; startup, operation and shutdown of all station equipment; implementation of initial, requalification, and replacement training programs for licensed and unlicensed operators; the development, review, and implementation of the operations section of the Station Operating Manual.

March 1973 - July 1978

Assigned to the Shoreham Nuclear Power Station in the Quality Assurance Section and subsequently promoted to Station Operating Quality Assurance Engineer responsible for the Section in July, 1974. Responsibility included initial development of the operational quality assurance program. Responsible for all aspects associated with its implementation at the station including reviews, audits, surveillance, inspections, selection and training of personnel, development of procedures and instructions, and the utilization of consultants and contractors. Additional responsibilities included licensing and inspection activities associated with the U.S. Nuclear Regulatory Commission and interfacing with external and internal organizations required to implement the operational quality assurance program.

January 1972 - March 1973

Assigned to the Electric Production Department Staff. Assigned duties included maintenance scheduling, manpower allocation, equipment testing, station performance analysis and special projects.

June 1970 - January 1972

Assigned to the Maintenance Section in the Northport Power Station. Assigned duties included assisting in outages of both a scheduled and forced nature as well as maintaining plant equipment and systems, and completing special projects.

A member of the American Society for Quality Control, the Edison Electric Institute - Quality Assurance Task Force (EEI-QATF) and the EEI-QATF Operations Subcommittee.

JOHN F. SCHMITT
Radiochemistry Engineer
Long Island Lighting Company

Assigned as the Radiochemistry Engineer of the Shoreham Nuclear Power Station in January 1975. Responsible for developing the chemistry, radiochemistry and effluent monitoring program and for implementing portions of the program as appropriate during startup. This includes directing all work related to conducting the chemical and radiochemical analyses and treatments of plant process systems; detecting and controlling environmental releases; implementing the ALARA policy for these releases; preparing records and reports of chemical surveys; directing and coordinating the efforts of the radiochemistry laboratory to insure compliance with technical specifications, manufacturer's fuel warranties and facility license requirements; implementing and coordinating the activities associated with the Preoperational Environmental Monitoring Program, developing and implementing the technical input for radwaste operation and for shipment and disposal of radwaste. An additional duty is member of the Source Users Committee, requiring remaining current on practices and procedures for maintaining exposures to workers ALARA.

Graduated from Bishop Loughlin Memorial High School in 1961. Graduated from Manhattan College in 1966 with a Bachelor of Science degree in chemistry. Received a Master of Science degree in Environmental Health Science, specializing in Radiological Health (Health Physics), from the University of Michigan in 1974.

Completed the General Electric Boiling Water Reactor Chemistry Course in November 1975 and an eight month assignment in the Chemistry and Radiation Protection Department at the Dresden Nuclear Power Station in September 1975.

Satisfied the experience and examination requirements of the American Board of Health Physics and became a Certified Health Physicist in June 1982.

Completed the following industry seminars and training programs:

- a) Radiation Protection - LILCO Evening Institute
- b) Fire Fighting Training - Suffolk County Fire Department
- c) Radiation Protection Workshops - Health Physics Society
- d) BWR Chemistry Training - General Electric Company
- e) Introduction to Computers - State University of New York
- f) Health Physics Review - Rockwell International
- g) Accelerated Health Physics Instruction - NUS
- h) Accelerated Nuclear Plant Chemistry Instruction - NUS
- i) Health Physics Review - Brookhaven National Labs
- j) Environmental Radiation Surveillance - Harvard School of Public Health
- k) Radioactive Waste Management for Nuclear Power Reactors - ASME/University of Virginia
- l) Annual Workshops on Radwaste Management - ASME/EPRI
- m) Semi-Annual Meetings of Power Station Chemistry Committee - Edison Electric Institute
- n) Semi-Annual Meetings of Nuclear Chemistry Supervisors - New England Nuclear Superintendents Association
- o) Meetings of Power Reactor Health Physicists
- p) Post Accident Sampling Workshops - Sentry Equipment, EPRI

- q) Control of Plant Radiation Fields - EPRI, General Electric Company
- r) Orientation to Microprocessor Applications - Instrument Society of America
- s) Atomic Absorption/Atomic Emission Spectrometry - Instrumentation Labs
- t) Gamma Spectrometer Operation - Canberra Industries
- u) Recognition of Degraded Core Conditions - General Electric
- v) Emergency Plan Implementing Procedures Training and Drills - Shoreham NPS

December 1975 - Present

During this period, have organized the listing of chemistry and radiochemistry procedures required, supervised preparation of these, reviewed each and been responsible for the review and approval cycle each has undergone before being signed. Have also reviewed many Health Physics procedures and emergency plan implementing procedures for the station, as well as several system descriptions, lesson plans and acceptance test procedures. As a member of the Review of Operations Committee, have had opportunity to review all station procedures considered by that committee. Have worked extensively in developing the specifications for and assisting design of the plant's elaborate digital Radiation Monitoring System, including especially the particulars of detector design, dose and display software layout and detector calibration. Have participated actively in developing the design criteria for the plant's Post Accident Sampling Facility. Have partially designed the chemistry laboratory and counting room, and selected the "cold" chemistry and counting equipment to outfit these. Have made technical comments on many draft regulatory and licensing items. Have developed the technical basis for radwaste operation and the program for handling, shipment and disposal of the station's radwaste.

August 1973 - November 1975

Assigned to the Shoreham Plant Staff as Associate Engineer and Plant Engineer. During this period, in preparation for becoming the Radiochemistry Engineer, engaged in an extended training program which included participation in accelerated instruction in Health Physics and Chemistry Principles by the NUS Corporation at their Rockville, Maryland facilities; study at the University of Michigan in their Masters program in Environmental Health Science specializing in Radiological Health; assignment for four months of training at the AEC Savannah River Plant; and assignment for eight months to the Commonwealth Edison Company at their Dresden Nuclear Power Station in the Radiation Protection and Chemistry Department.

While at the University of Michigan, co-authored a paper comparing the health hazards associated with a state-of-the-art coal fired and a modern nuclear electric generating plant. Also authored a paper analyzing the existing data on the health effects of low chronic radiation doses such as will be experienced by nuclear workers and inhabitants in the vicinity of a nuclear plant. During this period also studied Radiochemistry at Eastern Michigan University on a part-time basis. At the Savannah River Plant, the training included work assignments at their three nuclear reactors, a fuel and target fabrication plant, two chemical separations plants, a heavy water production plant, an environmental lab, and a research laboratory. Specific activities included environmental monitoring, waste management, reactor shutdown radiation control, emergency operations, dosimetry, and analytical laboratory work. During eight months at the Dresden Station, assignments included participation in the routine chemical and radiochemical analyses for operation of three units, failed fuel location by "sipping", routine health physics activities including

surveys, records keeping and determination of plant releases, observing the writing of the annual Environmental Report for the plant, and designing the HP facilities at a reactor being planned. Took part in two refueling outages involving some vessel internals replacement with the associated elaborate health physics measures. Successfully completed the General Electric Company's Boiling Water Reactor Chemistry Training Course at the Vallecitos Nuclear Training Center. This twelve-week course teaches the chemistry and radiochemistry associated with a G.E. BWR in detail via lecture and laboratory/counting room work.

October 1972 - July 1973

Assigned to Long Island Lighting Company's oil-fired Glenwood Power Station as Assistant, and then Associate Engineer. Coordinated special projects, new installations, and participated in boiler overhauls and general plant operation.

April 1967 - September 1972

On military leave of absence from the Long Island Lighting Company to serve in the U.S. Air Force. Attended Officer Training School and several courses on radar to become a Radar Operations Officer on both computerized and manual radar systems. Assigned in Syracuse, New York and the Phillippine Islands.

Also served in a staff position overseeing all Air Force training of Radar Operations Officers while assigned at Biloxi, Mississippi. Received several decorations including the Air Force Commendation Medal and attained the rank of Captain. Coordinated the Disaster Preparedness arrangements for about six thousand military personnel and their dependents on the base.

July 1966 - April 1967

Employed as an Assistant Engineer for the Long Island Lighting Company at their Far Rockaway Power Station. Received training in plant operation and maintenance and assisted in a major boiler and turbine overhaul.

Active Memberships

Health Physics Society, New York Chapter of the Health Physics Society, Power Reactor Health Physicists, and Long Island Chapter of the American Nuclear Society. Enjoy guest status at EEI Chemistry Committee meetings. Regularly attend meetings of the Chemistry Supervisors sponsored by the New England Nuclear Superintendents Association. Routinely give talks on nuclear power as a member of the LILCO Nuclear Speakers Bureau. Have been awarded Certified Health Physicist status by the American Board of Health Physics.

June 1983

RESUME

DAVID D. TERRY
CHIEF MAINTENANCE ENGINEER

Assigned as Chief Maintenance Engineer for Shoreham Nuclear Power Station - Unit No. 1 in April, 1983. Responsible for all maintenance activities inclusive of mechanical, electrical and Instruments and Controls, including plant Sections of Outage management/planning for the entire station and the supplementary maintenance/modification contractor.

Graduated from Maine Maritime Academy, 1964 with a Bachelors Degree in Marine Engineering. Successfully completed the General Electric Co. "Boiling Water Reactor Maintenance" course in September, 1973; "Elements of Nuclear Power Reactor Engineering", at University of Michigan in July, 1973; fulfilled requirements of EBT Level II per SNT-TC-1A supplements A through E at General Dynamics Convair, Aerospace Division in August, 1973; General Electric Co. BWR Technology in July, 1976; General Electric Co. Simulator - SRO Certification in October, 1976.

1967 - 1983

Employed by the Long Island Lighting Company and assigned as Assistant Engineer to the Northport Power Station for the Preoperational Checkout and the Startup of Northport Unit #2. Responsibilities included the writing of the preoperational planning procedures, mechanical and electrical equipment checkout, and preparation of construction progress reports. Transferred to the Operations Department at the Northport Power Station in August, 1968. Responsibilities included the preparation of operating schedules, coordination of unit outages with the system operator, and assisting in the supervision of the daily operation of both units. Assigned to the position of Plant Engineer in January, 1969 and transferred to the Results Department at the Northport Power Station. Responsibilities included the calculation of monthly heat rate data and various equipment and unit efficiency testing. Assigned as acting Maintenance Engineer in July, 1969 at the Northport Power Station. Responsibilities included the organizing, planning and conducting of maintenance repairs on all mechanical and electrical station equipment. Responsible for Northport Power Station Unit #3 operations input to design and coordination of capital improvements for Northport Unit #2. Promoted to Plant Engineer in January, 1971 and assigned to the Northport Power Station as Results Engineer. Responsibilities included efficiency testing of turbines, boilers, and various other power station equipment, calculating monthly heat rate, and maintenance and repair of all control systems and recorders. Assigned as Plant Engineer to the maintenance section in January, 1972 at the Northport Power Station. Responsibilities included the planning and scheduling of daily maintenance and repair activities as well as major boiler and turbine overhaul, personnel training, and daily direction of the maintenance forces in all phases of maintenance and repair operations.

Assigned to the position of Maintenance Engineer for Shoreham Nuclear Power Station Unit No. 1 in June, 1973 and transferred to the Stone & Webster Engineering Corporation Field Construction Forces as Reactor Area Resident Engineer. Responsibilities included the coordination of problems arising between construction and engineering, scheduling of construction activities, interfacing with subcontractors, and insuring that timely and proper supervision is provided for various construction disciplines. Reassigned in June, 1975 by Stone & Webster as Chief Supervising Engineer-Mechanical for the reactor area. Responsibilities included the Planning and organizing of work activities of the Mechanical Contractors for the construction and erection of the mechanical equipment within the reactor building area, in accordance with established standards and specifications; maintaining an awareness of the provisions of labor agreements affecting areas of responsibility and handling day to day problems; administering on-site maintenance programs for equipment and components, and reviewing specifications for completeness and adequacy.

Completed General Electric Co. training, resulting in SRO Certification in October, 1976. Upon completion of training, fulfilled the position of Maintenance Engineer for Shoreham Nuclear Power Station until reassigned to UN160 as Assistant Superintendent of Construction of Turbine Area in September, 1977. Responsibilities included supervision of ten construction supervisors, overall area coordination of various contractors, both structural and mechanical; adherence to schedule completion dates, resolution of engineering/construction problems, and immediate direction of contractors installing Turbine/Generator Unit, Condenser, and Fire Protection Systems.

Assigned as Lead Startup Engineer-Balance of Plant, for Shoreham Nuclear Power Station Unit #1 in December, 1978. Responsible for organizing, planning and scheduling section work to place over one-hundred systems and subsystems into correct operations and complying to all requirements for the station. This includes writing and reviewing flushing and preoperational test procedures; reviewing and approving test results; and supervising twenty-one Startup Test Engineers.

Assigned as Assistant Startup Manager for Shoreham Nuclear Power Station Unit #1 in May, 1981. Responsible for directing Preoperational and Acceptance Test activities, technical and administrative activities of the Lead Startup Engineers and Startup Support. Coordination of all special test programs requiring an Interface of Engineering, Vendors and Startup Test Engineers, and review of all procedures for the Startup Manager.

Supervise system turnovers from Construction to Startup and Startup to Plant Staff. Liaison with LILCO Project for Engineering and Plant Staff for operating, maintenance, and technical support.

Resume of
David D. Terry

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1964 - 1967

Employed by American Trading and Production Corporation as an Engineering Officer in the United States Merchant Marine, sailing in tank ships. Responsibilities consisted of overall plant operation and maintenance, both electrical and mechanical, while standing eight hours of watch each day in the engine room.

A member of the United States Naval Reserve (inactive) with a rank of L.T.J.G.

Held a United States Coast Guard License of First Assistant Engineer - steam any horsepower - and a Third Assistant Engineer - diesel any horsepower.

John A. Scalice
Reactor Engineer
Long Island Lighting Company

Assigned to the position of Reactor Engineer at the Shoreham Nuclear Power Station on July 1, 1979. Responsible for the nuclear and thermal performance of the core. Assists in maintaining overall unit performance, and maintaining fuel inventory, refueling schedules, and refueling patterns. Supplies current nuclear and thermal information to the operating staff, including reactivity coefficients, control rod worths, and core power distributions and stability. Participates in the preparation of physics related programs. Responsible for the plant computers' software and their application.

Educational Background:

Graduated from Polytechnic Institute of Brooklyn in 1970 with a Bachelor of Science degree in Mechanical Engineering. Received a Master of Science (Nuclear Engineering) degree at Polytechnic Institute of New York, 1979.

Completed the General Electric Boiling Water Reactor (BWR) Simulator Program in December 1979 and obtained a Senior Reactor Operator Certification. Completed Simulator refresher training September 1981.

Obtained NRC Senior Reactor Operator License (SOP-4424) November 12, 1982.

Completed the following additional training and qualification programs:

- a) A two-week General Electric Co. BWR Design Orientation course in Morris, Illinois.
- b) A five-week General Electric Co. BWR Technology course.
- c) American Society of Industrial Security Comprehensive Assets Security course.
- d) Research Reactor Training (RRT) at Brookhaven National Laboratory's Medical Research Reactor including ten training criticals.
- e) A five-week General Electric Station Nuclear Engineering course (March 1980).
- f) Two-week Honeywell concepts and Practices Computer course (April 1980).
- g) Four-week Honeywell Process Assembly Language (PAL) Programming course for the HS4000 series computer (May 1980).
- h) A sixteen (16) week field assignment ending September 1980 to CP&L's Brunswick Steam Electric Plant in the Nuclear Engineering Group. Actively participated in Units 1 & 2 refueling outage and post refueling Startup Test Program. Successfully completed BSEP's qualification program for an on-shift Nuclear Engineer. Participated in reactor power maneuvers and issued reactivity change request to operators including rod movements and flow changes.

General Industrial Record:

1974-1979

Joined the Shoreham Nuclear Power Station Plant Organization in January 1974, and assigned to the Shoreham Project as Assistant Project Engineer - Nuclear. Responsible for coordinating and monitoring the design, scheduling, procurement and construction activities related to all nuclear plant systems, including liquid and solid Radwaste, Reactor Building Standby Ventilation System, Primary Containment Atmospheric Control, Fuel Pool Cooling and Fuel Pool Clean-up.

Was assigned to the LILCO Startup team in May 1975 as Nuclear Startup Engineer. Responsible for definition of System Turnover packages, initial phases of startup scheduling, preparation of system checkout and initial operation test procedures for all nuclear plant systems, and coordination of spare parts ordering program.

Assigned as Performance and Compliance Section Head at the Shoreham Nuclear Power Station in October 1975. Responsible for supervising the section activities which include: coordinating technical consultant activities for station software, reviewing preoperational test and test results for compliance to design parameters and regulatory requirements, and assisting the plant organization in technical related activities. Additional direct responsibilities include overseeing and coordinating the schedule of procedure writing by maintaining the computerized procedure index status report, witnessing preoperational tests, and writing of general plant administrative procedures.

Assigned as Site Security Supervisor at the Shoreham Nuclear Power Station in April 1977. Responsible for the planning, development and administration of the Station's Security Program. Detailed program activities include: administration and direction of the plant security force, maintaining electronic security devices, administration of the security force training program, formulation of security procedures and a continuing evaluation of their effectiveness and adequacy to satisfy company and NRC regulatory requirements, maintaining current working knowledge of industry and regulatory security practices and policies.

1970 - 1974

Employed by the Long Island Lighting Company as an assistant, associate and Plant Engineer in the Electric Production and Nuclear Projects Department. Held Supervisory positions in Maintenance, Operations, and Instrumentation and Controls Section in a 350 MWE fossil fueled multi-unit power station. Particular responsibilities included planning and supervising maintenance and major overhauls of all plant equipment including four (4) General Electric Co. Turbo-Generators and their associated oil, gas fired Boilers. Was also given full responsibility for engineering design and startup of several plant sub-systems such as automatic minimum flow recirculation for four (4) Boiler feed pumps, and complete automation of the magnesium-oxide injection system.

While in the Instrument and Controls Section, was responsible for maintaining and testing all plant electric and pneumatic controls systems, Turbine Boiler performance tests and calculation and improvement of the station Heat Rate.

As Operations Supervisor, was responsible for the reliable, safe, and efficient operation of all plant equipment, personnel scheduling and training, coordination of equipment outages, and preparation of operating reports. Subsequently transferred to the Shoreham Plant Staff in January 1974.

Member, American Society of Mechanical Engineers.