KGE
THE ELECTRIC COMPANY

KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

December 7, 1981

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

KMLNRC 81-143
Re: Docket No. STN 50-482
Subj: Licensee Qualifications Review of Wolf Creek

Dear Mr. Denton:

Kansas Gas and Electric Company would like to facilitate the NRC's review of the qualifications and organizational readiness of our personnel to operate Wolf Creek Generating Station, Unit No. 1. We understand that our review is presently scheduled for the week of January 18, 1982.

Discussions with members of your staff and that of Region IV have indicated that our sending the attached material for your review will aid the subject review. This material is not of the type we would put into a revision to the Wolf Creek FSAR. However, the material is hereby incorporated into the Wolf Creek Generating Station, Unit No. 1 Application.

Yours very truly,

Glenn L Koester

GLK:bb
Attach

cc: Dr. Gordon Edison (2), w/a
Division of Project Management
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Eric Johnson, NRC Region IV, w/a
Arlington, Texas 76011

Mr. Thomas Vandel, w/a
Resident NRC Inspector

M003
S1/1

OATH OF AFFIRMATION

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

I, Glenn L. Koester, of lawful age, being duly sworn upon oath, do depose, state and affirm that I am Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, that I have signed the foregoing letter of transmittal, know the contents thereof, and that all statements contained therein are true.

KANSAS GAS AND ELECTRIC COMPANY

ATTEST:

By Glenn L Koester
Glenn L. Koester
Vice President - Nuclear

W.B. Walker, Secretary

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 7th day of December, 1981, before me, Evelyn L. Fry, a Notary, personally appeared Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the date and year above written.

Evelyn L. Fry
Evelyn L. Fry, Notary

EVELYN L. FRY NOTARY PUBLIC STATE OF KANSAS

My Commission expires on August 15, 1984.

The attached eight resumes are for some key positions which do not appear in the FSAR.

SUPERVISING OPERATORS

P. W. MILLER, Supervising Operator, has been employed by Kansas Gas and Electric since February, 1979. He has eight years of nuclear experience. He was in the U.S. Navy from 1973 until 1979 serving on the USS Long Beach and the ALW Nuclear Plant Training Unit. While working for KG&E, he has completed the Westinghouse Nuclear Reactor Operator Training course, certifying at the Senior Reactor Operator level.

S. M. WALGREN, Supervising Operator, has been employed by Kansas Gas and Electric since August, 1980. He has completed seven semesters leading toward his B.S. Degree in Chemical Engineering. He has six years experience in nuclear power. Joined U.S. Navy in 1969 and was qualified as Reactor Operator for four years. While working for KG&E, he has completed the Westinghouse Nuclear Peactor Operators Training course, certifying at the Senior Reactor Operator level.

P. M. MARTIN, Supervising Operator, has been employed by Kansas Gas and Electric since May, 1977. He received an Associates of Arts Degree from Neosho County Community Junior College in 1968. He has ten years nuclear experience. He entered the U.S. Navy in 1971 and served six years aboard nuclear powered submarines. While working for KG&E, he has completed the Westinghouse Nuclear Reactor Operator Training course, certifying at the Senior Reactor Operator level.

D. J. NEUFELD, Supervising Operator, has been employed by Kansas Gas and Electric since September, 1978. He has twelve years nuclear experience. He obtained a B.S. Degree in Mathematics from Kansas State University in 1969. He then served in the U.S. Navy and gained nine years of nuclear related experience. While working for KG&E, he received his Senior Reactor Operator certification from the Westinghouse Nuclear Training Center.

J. D. WEEKS, Supervising Operator, has been employed by Kansas Gas and Electric since November, 1978. He has nine years of nuclear experience. He joined the U.S. Navy in 1972 and served as an instructor during his last two years of service. While working for KG&E, he received his Senior Reactor Operator certification from the Westinghouse Nuclear Training Center.

W. F. ERBE, Supervising Operator, has been employed by Kansas Gas and Electric since July, 1978. He has nine years nuclear experience. He joined the U.S. Navy in 1972 and was qualified Reactor Operator. While working for KG&E, he has completed the Westinghouse Nuclear Training course, certifying at the Senior Operator level.

MECHANICAL SUPERVISOR

D. E. Goodlove, has been employed by Kansas Gas and Electric Company since February, 1980. He is a High School graduate with ten and one-half years experience and training in the Navy as a Machinist Mate. Nine and one-half years spent in the Navy were in the Nuclear Submarine force. He attained the qualification of Engineering Officer of the Watch in addition to Engineering Watch Supervisor. He served as the Machinery Division Supervisor on the submarine, supervising sixteen men in the operation and maintenance of Mechanical Power Generation and Propulsion Plant equipment, including mechanical components of a pressurized water reactor plant.

Since assuming the duties as Mechanical Supervisor he has received additional training on large Centrifugal Pumps, Welding Inspection techniques, and Mechanical Seal Operation and Maintenance. He has been involved in writing Maintenance procedures, spare parts activities, participation in System procedures, Supervisiong and performing Mechanical Maintenance and participating in organizing the complete Wolf Creek Maintenance Program.

ELECTRICAL SUPERVISOR

C. G. Minor, Electrical Supervisor has been employed by Kansas Gas and Electric Company since August, 1967. He has had fourteen years commercial power plant experience, twelve of which have been in Electrical Maintenance. He is a High School graduate and has served a three year apprenticeship in an Electrical Training Program and held the classification of Journeyman Electrican for eight years. He has held the position of Electrical Supervisor at Wolf Creek since September, 1980 and has been actively involved in writing Maintenance procedures, Spare Parts Procurement activities, System and Component Startup Testing activities, writing Station Administrative procedures, Supervising and performing Electrical Maintenance and participating in organizing the complete Wolf Creek Maintenance Program.

The attached is the basis for cold license candidates and pipeline for future candidates.

BASIS FOR NUMBER OF COLD LICENSE CANDIDATES

Wolf Creek Generating Station (WCGS) is in the process of a complete review of the Training requirements for all station personnel. The objective of this review is to establish the training pipeline for each discipline. This review has been completed for the Operations Section and is enclosed.

Having established such a pipeline, it is prudent to make a "worst case" assumption and determine the consequences. For WCGS, the "worst case" will probably occur during the first year after commercial operation. For purposes of a "worst case" review, let us assume that 1/3 of the licensed Operators leave WCGS during the first year.

Thus far, WCGS has one Shift Supervisor with a previous SRO license. Nineteen WCGS personnel have successfully completed the Westinghouse SRO Training course at Zion, and three have completed the RO Training course. Another nine are in the final weeks of the RO course. Six of those that completed the SRO course will be Shift Supervisors. All of these SRO's and three RO's are enrolled in the College Training Program and will have 60 hours college courses completed prior to cold Licensing.

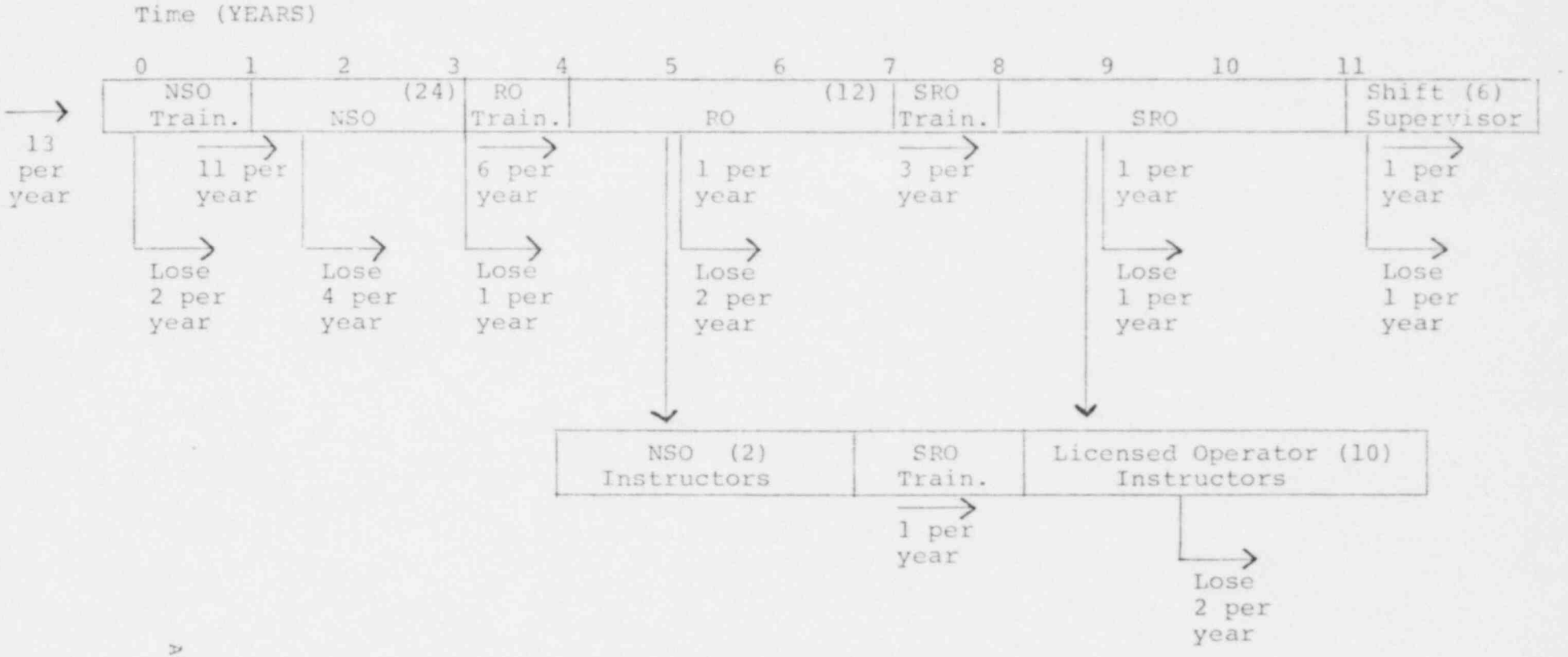
The worst case assumption is summarized in the following table:

Job Title	Needed for 6 Shifts	Eligible for Cold License	First Year Loss (1/3)	Remain from Eligibles
Shift Supervisor	6	7	2	5
Senior Operator	6	13	2	11
Reactor Operator	12	12	4	8
TOTAL	24	32	8	24

The above totals show that there are adequate people in the existing pipeline to continue to operate six shifts.

LONG RANGE TRAINING PIPELINE

For Operators and Instructors



ASSUME A LOSS OF ONE CUT OF SIX PER YEAR.

The attached five resumes are for experienced SRO's and RO's who have been contracted to provide operating experience during startup and the first year of operation.

Benjamin C. DeLamorton

SENIOR SUPERVISORY SERVICE ENGINEER

Experience Highlights

Eleven years in the nuclear power industry
Technical and management experience in utility and consulting areas

- Participated in startup and testing of the Surry Nuclear Project
- Participated in reactor operations and refueling
- Participated in and conducted reactor operations training and retraining
- Conducted simulator acceptance testing of Surry Nuclear Simulator
- Assisted and advised the Wolf Creek Project Training Group in the preparation and procurement of training materials

Professional Experience

Present — Quadrex Corporation, Tulsa, Oklahoma
Shift Consultant to the Operations Group Supervisor at Wolf Creek Project. Assisting in the development of system procedures and in the startup and testing of systems for turnover. Conducting normal shift operations as Shift Supervisor. Assisted at Wolf Creek Generating Station in development of training procedures, programs, and guidelines. Assists in procurement of training equipment including offsite training facilities. Senior Service Engineer at Campbell, California. Developed systems specifications for the San Onofre Units 2 and 3 simulator. Provided assistance to nuclear power plants in startup, operations, and training.

1970-1980 — Virginia Electric & Power Company, Surry, Virginia
Nuclear Training Coordinator, Surry Training Center (1979). Performed operational checkout of the Surry simulator. Provided reactor operator training, startup certification, and retraining of licensed SRO/RO's in the classroom and on the Surry simulator. Assigned Shift Technical Advisor at Surry. Conducted SRO level examination at Turkey Point.

1973-1978
Control Room Operator. Coordinated containment vessel penetration leakage testing, including valves, fittings, electrical and piping penetrations, and hatches; and supervised containment overpressure test. Wrote test procedures, procured test equipment, and supervised repairs.

1970-1973
Assistant Control Room Operator. Performed startup and acceptance testing of primary, secondary, and support systems in conjunction with the construction contractor startup division. Participated in cold hydrostatic test, hot functionals, initial core loading and criticality of Surry Units 1 and 2.

1964-1970 U.S. Navy
Machinist Mate. Qualified on all stations for DD692 Destroyers, including Engineering Office of the Watch. Qualified as a Nuclear Mechanical Operator. Coordinated engine room maintenance management system and directed administration of ship's Engineering Department. Served on internal security force at Naval Base, Guantanamo Bay, Cuba, as Duty Chief of Police.

Education

B.A., Christopher Newport College, Newport News, VA, 1981
A.A., Christopher Newport College, Newport News, VA, 1979
Correspondence courses in Power Plant Engineering, Mathematics, Nuclear Physics and other related subjects, 1966-1974
U.S. Navy:
- Instructor School, Little Creek, VA 1973
- AlW Reactor Prototype School, Idaho Falls, ID, 1965-1966
- Basic Nuclear Power School, Mare Island, CA, 1965
- Machinist Mate School, Great Lakes, IL, 1964

Professional Registrations

Reactor Operator, 1973
Senior Reactor Operator, 1979

Robert J. Jurrus

SUPERVISORY SERVICE ENGINEER

Mr. Jurrus has over seventeen years of experience in power plant and related engineering including hydrostatic testing, operations and plant start-up, seven years of which have been in Nuclear Naval Marine experience.

Professional Experience

1976-Present Nuclear Services Corporation, Campbell, California

Shift Operations Advisor for the Tennessee Valley Authority (TVA) Sequoyah Power Station to advise shift operations personnel in the operation of the Suquoyah Power Plant from start-up through ascension to 100% full power.

Senior Engineer responsible for the testing and acceptance of the Korean Electric Company (KECO) Power Plant Simulator, Electronic Associates, Inc., Long Branch, New Jersey.

Assisted in the development and execution of the Beaver Valley Units Number One and Two Spare Parts Program, Beaver Valley Unit Number One Heat Balance Program, and Beaver Valley Unit Number One Inservice Inspection Program. Authored and assisted in the implementation of plant operating procedures associated with the Inservice Inspection Program. As a member of the Offsite Review Committee audited Beaver Valley Unit Number One Technical Specifications.

Assigned as Project Leader, Beaver Valley Power Station in charge of all Nuclear Services Corporation personnel on site.

Updated various operating procedures and all plant and overhead annuniator responses for the operations department for the Salem Generating Station, Public Service Electric and Gas Company, Salem, New Jersey.

Developed a list of Q.A. Category I instruments (Required Instrument Calibrations) needed to meet the requirements of the Beaver Valley Power Station Unit Number One Technical Specifications, rewrote Section O of the Conduct of Maintenance Manual to incorporate the Required Instrument Calibrations, and am presently assigned to the Maintenance Supervisor as the I&C Engineer responsible for all daily routine activities.

1971-1976 Indiana and Michigan Power Company, D.C. Cook Nuclear Plant, Bridgman, Michigan.

Initial system lineups and hydrostatic test verifications prior to initial plant start-up. Authored and assisted in implementation of plant preoperational procedures including main condenser vacuum testing, auxiliary feedwater testing, turbine auxiliary cooling system, condensate system, and chemical cleaning system. Authored plant operating procedures for condensate, auxiliary feedwater, and chemical cleaning systems. As Unit Foreman, responsible for supervision of operations personnel and unit control room. Instrumental in operator training program and participant in Senior Reactor Operator license program.

1971 Copeland Refrigeration Company, Fostoria, Ohio.

Temporary employment as laborer in air conditioning assembly plant.

1963-1970 U.S. Navy, Machinist Mate First Class. U.S. Naval Nuclear Power Program. Qualified as Engineering Watch Supervisor.

Education

Graduate, U.S. Navy Nuclear Power School, U.S. Navy Machinist Mate School, and specialized training in Westinghouse Nuclear training program.

Completed NUS Nuclear Power Training Program, Westinghouse Nuclear Power Training Program, and General Electric Power Plant Training Program at Donald C. Cook Plant, Bridgman, Michigan.

Completed one year of credit toward an Electrical Engineering degree at Kent State University, East Liverpool, Ohio.

Fifty percent complete on an Associates Degree in Electronics with National Technical Schools, Los Angeles, California.

Clifton L. Bearden

Senior Service Engineer

Mr. Bearden has more than 25 years of maintenance and operations experience in commercial and Navy nuclear power plants. He has functioned as a Maintenance Engineer Consultant, Licensed Reactor Operator, and Mechanical Maintenance Supervisor.

Professional Experience

1979-Present — Nuclear Services Corporation, Tulsa, Oklahoma. Maintenance Engineer at Grand Gulf Nuclear Station, Port Gibson, MS. Developed and wrote procedures on major and minor mechanical equipment maintenance in accordance with ANSI and code requirements. Coordinated maintenance procedure work with mechanical systems. Provided technical assistance on maintenance problems and equipment maintenance requirements.

1972-1979 — Arkansas Power and Light Company. Arkansas Nuclear Unit #1, Russelville, AR.
Licensed Nuclear Operator. Prepared and reviewed maintenance, testing and operating procedures. Assisted in initial startup. Performed functions as Licensed Nuclear Operator. Knowledgeable of SRO functions.

1952-1972 — United States Navy. Twenty years as a machinists mate. Responsible for the continuous operation, maintenance and repair to ships propulsion and auxiliary equipment, such as steam propulsion machinery, pumps, oil purifiers, compressors, reduction gears, and other various types of machinery.

Supervised men (10-100) aboard various ships; mechanical maintenance and repair of two nuclear reactor power plants; served as nuclear mechanical instructor and advisor.

As Main Propulsion Assistant assisted ship's engineering officer by directing operation and maintenance of main propulsion equipment, including turbogenerators, and auxiliary power plants. Established routine and directed operation of machinery; diagnosed malfunctions and directed maintenance and repairs; maintained fuel consumption records; operated main engine room control board.

Administered ships engineering divisions in operation and maintenance of boilers, evaporators, and associated equipment. Directed fire room operations; supervised machinery and boiler repairs, overhauls, and alterations; examined reports, logs and spaces; integrated maintenance programs with operating schedules, preparing standard procedures, initiating job orders, and requisitioning spare parts; directed storage and

expenditure of fuel oil and boiler feed water; prepared and maintained engineering records and reports; inspected spaces and equipment; planned and directed training programs.

Training

Nuclear Power School
Machinists Mate A School
Instructors School
Maintenance School

William P. Purdy
1825 Wellington Drive
Marrero, LA 70072
(504) 347-8746

SENIOR SERVICE ENGINEER

Mr. Purdy has over ten years in electronics and the commercial nuclear power industry with a background in operations, testing, procedural writing, and startup. He has held an operator license on two pressurized water reactors for over three years. He has also been a Startup Engineer on a BWR unit, and acted as a Shift Operations Advisor on a PWR unit during initial startup and testing. He is currently the Operations Coordinator for the Procedure Development Program at Waterford 3 Nuclear Power Plant.

1979-Present — Nuclear Services Corporation, Campbell, California. Senior Service Engineer assigned to Tulsa Oklahoma Region at the Louisiana Power and Light Waterford 3 site. Acting as Operations Procedure Coordinator, Mr. Purdy is responsible for the planning, scheduling, and production of the Operations group Emergency and Normal operating procedures. At present is in charge of five contracted procedure writers. At the request of Louisiana Power and Light he attended the Combustion Engineering (C-E) Emergency Procedures Workshop in Windsor, Connecticut, to respond to the Nuclear Regulatory Commission in reference to post TMI concerns.

Senior Service Engineer assigned to Pittsburgh Region I Office. Acting as Shift Operations Advisor for Sequoyah Nuclear 1 during initial core load, low power physics testing, and power operation.

Senior Service Engineer assigned to Tulsa, Oklahoma Regional Office. Lead Test Engineer for the containment intergrated leak rate test at Fort Calhoun Power Station including instrument placement assigning weighting factors, analysis of test and preparation of final test report for NRC.

1979 — Bechtel Power Corporation, Gaithersburg, Maryland. Assigned to Grand Gulf Nuclear Power Station as Startup Engineer. Extensive responsibility for procedure writing for flushing and testing. Served as prime engineer on three plant systems and the water treatment facility.

1974-1979 — Virginia Electric and Power Company, Richmond, Virginia. Licensed Control Room Operator in charge of two 822 megawatt nuclear generating plants. Directly involved with maintaining and operating water treatment systems. The position required coordinating jobs necessary to the plant by reviewing job lists scheduled for the shift and assigned personnel to accomplish them.

In addition, wrote and updated periodic tests and annunciator procedures. He also worked in the Training section and was involved in the operator development and licensing program. This included drafting lesson plans, developing simplified systems diagrams and logics, and giving lectures. One of two Control Room Operators chosen by VEPCO as a representative to Daniels Construction Company for the Steam Generator change out program, the first job of its kind.

1973-1974 Newport News Shipbuilding and Dry Dock Co., Newport News, VA. Electronics Technician, involved with the installation and testing of radar, communications, and standard electrical systems in the Electronics System Test Group.

1969-1973 Layfayette Radio Electronics, Collinsville, VA. Repairman and also a full time student at Danville Community College. Received Associates of Science Degree and also his diploma in Analyst Electronics.

1965-1969 United States Air Force
Assigned to Security, served in both United States and Vietnam. Honorably discharged.

Education

Associates of Science Degree
College Diploma in Analyst Electronics
Reactor Operators License
Westinghouse Training Program Certificate
John D. Bassott High School Diploma

Kenneth P. Bryan

SENIOR SERVICE ENGINEER

Employment

April 1980-Present	Nuclear Service Corporation, Senior Service Engineer.
4/80-8/80	Shift Operations Advisor at TVA's Sequoyah Unit 1.
8/80-Present	Rewriting Operational Procedures at Public Service Electric and Gas Salem Nuclear Plant.
1967-4/80	Metropolitan Edison Company, Reactor Operator and Senior Reactor Operator Training Programs
6/79-4/80	Station Shift Supervisor in charge of the Unit 2 Recovery Operations Group. In this position I had responsibility for directing 12 Auxiliary Operators and 4 Shift Foremen in the operation of the EPICOR-II system and other radioactive waste water support systems. Was directly responsible for start-up and initial operation of EPICOR-II system (patented waste processing system constructed since the accident of March 28, 1979 for clean-up intermediate level radioactive waste water). During the Start-up phase was responsible for developing operating and emergency procedures and developing an operator training program. All initially trained operators had to demonstrate a working knowledge of the system to the NRC prior to the NRC allowing initial operation.
10/1/78-6/1/79	Station Shift Supervisor. In this position, responsible for overall safe operation of TMI Unit I and Unit II on a shift basis. Held a NRC Senior Reactor Operator License for Unit I and Unit II. Responsible for coordination of all operations necessary to accomplish the start-up, shutdown and power operation of both units which have a net electrical generation of 1700MW. Supervised a normal shift complement of 2 licensed shift foreman, and licensed control room operators and 14 auxiliary operators. Also coordinated maintenance efforts of the mechanical, electrical and instrumentation departments to ensure station availability. Responsible for planning and scheduling maintenance activities for annual unit outage. During the unit outage acted as outage coordinator. In this position followed all major outage work on a day to day basis. Set priorities and directed both company and sub-contractor work forces.
7/15-10/78	Shift Foreman TMI Unit I. I was responsible for safe and efficient operation of the unit on a shift basis. Responsible for ensuring that the Unit was operated in accordance with the operating license,

Technical Specifications, and approved operating procedures. Responsible for implementing the approved operating procedures. Responsible for implementing the surveillance testing programs and assisting the Station Shift Supervisor in discharging his duties in TMI Unit 1. In this position I maintained a Senior Reactor Operation license on TMI Unit 1 and supervised 3 licensed control room operators and 6 auxiliary operators. During unit outage assisted the outage coordinator in establishing a daily work schedule and directed specific outage tasks.

10/69-7/75 Control Room Operator - TMI Unit I. Obtained a Reactor Operator license from the NRC. Was actively involved in the initial start-up and testing programs. After the unit was declared commercial in September 1975 stood watch on a shift basis. Was responsible for actual manipulations of controls which effected reactivity, and direction of auxiliary operator activities which effected reactivity.

2/67-10/69 Held position of Electrical Panel Switchboard Operator at Met-Ed fossil fired Crawford Station. Responsible for loading and unloading four turbine generators as necessary to meet load schedules.

1960-1966 Howard Johnson's PA. Turnpike. I was employed as the Assistant Manager for the restaurant.

Education

Pennsylvania State University
Hotel & Restaurant Management
1962-1964

Bishop McDevitt H.S.
Harrisburg, PA
College Prep.
Graduated 1962