



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

October 29, 1985
PY-CEI/NRR-0384 L

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
FSAR Chapter 13
Plant Organization

Dear Mr. Youngblood:

The purpose of this letter and attachments is to provide further clarification of the information contained in Chapter 13 of the Final Safety Analysis Report (FSAR) related to Perry Nuclear Power Plant (PNPP) organization. Previous information was provided in our letter dated September 17, 1985 (PY-CEI/NRR-0339L) and incorporated in Amendment 21 to the FSAR. The attachments provide a discussion of Table 13.1-1, which provides a comparison of PNPP Staff titles and ANSI N18.1-1971 equivalent titles. In addition, attached are revised FSAR pages which will be included in the next amendment to the FSAR.

If you have any questions, please let me know.

Very truly yours,

Murray R. Edelman
Vice President
Nuclear Group

MRE:njc

Attachments

cc: Jay Silberg, Esq.
John Stefano (2)
J. Grobe

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PERRY NUCLEAR POWER PLANT
STAFF QUALIFICATION

PNPP is committed to meeting ANSI N18.1-1971 for personnel qualification as stated in FSAR Table 1.8-1, R.G. 1.8. The PNPP titles as they compare to ANSI N18.1-1971 are presented in FSAR Table 13.1-1. The 1971 version of the ANSI Standard was chosen, rather than the later 1978 version, because the majority of the plant positions necessary to operate the plant were identified and staffed prior to 1978. All ANSI N18.1-1971 positions are addressed in Table 13.1-1 with the exception of Technicians, Repairmen, and Staff Specialists. These positions are adequately filled and no title equivalent should be necessary.

In 1971, plant organizations were dramatically different from today in that a small number of key personnel, mostly first line supervisors, General Supervisors (Operations, Maintenance and Technical) and a Plant Manager (Superintendent) were able to adequately manage the power plants of that era. With the events and changes to plants over the past 15 years, a much more sophisticated management organization is needed today. Thus, we have added various technical as well as administrative management personnel in key positions to ensure we have the expertise available to safely operate the Perry Nuclear Power Plant. We believe that sufficient depth of technical expertise is available at intermediate levels of management, and is reflected in the attached FSAR revised pages, specifically Table 13.1-1.

From these revised FSAR pages it should be clear that the Plant Manager is the Manager, Perry Plant Operations Department. In addition to the nuclear test section, reporting directly to the Plant Manager are the operations, maintenance and material services staffs. Though not necessarily under his administrative control, the Plant Manager has available the entire PNPP project staff to support operations. This is emphasized in POP-105 - "Plant Manager's Authority" which states that, the Perry Plant Operations Department Manager has the authority to direct any and all resources of the other elements in the Nuclear Operations Division in executing his responsibilities for the safe and reliable operation of PNPP.

The Corporate Directive contained in PAP-0104 - "Operations Section Organization" further delineates the authority of the Shift Supervisor in the Plant Manager's absence for overall operation of the plant. By this Directive the Shift Supervisor has full authority to control all plant activities to ensure compliance with the operating license. The Shift Supervisor will have direct authority and control over the on-shift Shift Technical Advisor (STA) and on-shift Instrument and Control Technicians, as well as all other personnel on shift. Reactor engineering support is provided through the on-shift STA, if qualified, and through administrative and operating procedures which require that a qualified reactor engineer be present in the control room for designated control rod evolutions. In addition, the Shift Supervisor, has the authority to direct the activities of other project sections when necessary to support operations. The on-shift STA and I&C Technicians, and the authority granted the Shift Supervisor should alleviate any concerns over the reporting relationships of support personnel not reporting directly to the Plant Manager.

We presently have 28 SRO and 6 RO qualified individuals. Background information for these and other individuals proposed for licensing, was previously provided to the NRC with applications. Resume's of key supervisory personnel (excluding Supervising Operators), not presently in the FSAR are attached herewith. These and the resume's of the Supervising Operators discussed above will be included in the next amendment to the FSAR.

13.1.2 OPERATING ORGANIZATION

This section describes the structure, functions and responsibilities of the onsite organization established to operate and maintain the Perry Nuclear Power Plant (PNPP).

13.1.2.1 Plant Organization

The organizations of the Perry Plant Operations and Technical Departments are as shown on Figures 13.1-3 and 13.1-4 respectively. These organization charts indicate the title of each position, the minimum number of personnel required for each position (including common or duplicate positions), reporting responsibilities and the positions requiring NRC licenses. All functional positions designated in Figures 13.1-3 and 13.1-4 will be filled by the time of initial fuel loading of Unit 1. Those duplicate positions requiring additional personnel for Unit 2 will be filled by the initial fuel loading of Unit 2. Additional consultant and contract personnel may be required to support normal crewing during outages and will be utilized as workloads dictate.

13.1.2.2 Plant Personnel Responsibilities and Authorities

The functions, responsibilities and authorities of various PNPP supervisory and staff positions are summarized briefly in the following paragraphs:

13.1.2.2.1 Perry Plant Operations Department

Manager, Perry Plant Operations Department

The Manager, Perry Plant Operations Department (PPOD) is the Plant Manager and has overall responsibility for the safe operation of the plant, including but not limited to plant operations, maintenance, material services and outage planning activities. Additionally, he oversees the preoperational and acceptance testing activities as systems are turned over from construction. He is responsible for compliance with the plant's operating license, regulations, and the PNPP Operational Quality Assurance Program. The Manager, PPOD serves as Chairman of the Plant Operations Review Committee and along with the Manager, PPTD is responsible for approval of all Plant administrative procedures. He reports to the Vice President, Nuclear Operations, Division.

outage plan and providing a description of tasks to be performed during the course of an outage. The General Supervisor, Outage Planning Section reports to the Manager, Perry Plant Operations Department.

General Supervising Engineer, Material Services Section

The General Supervising Engineer, Material Services Section is responsible for the procurement and maintenance of the Plant stores inventory of spare parts and supplies, for the upkeep of site grounds, and for directing general building maintenance and housekeeping activities within the plant. The General Supervising Engineer, Material Services Section reports to the Manager, Perry Plant Operations Department.

13.1.2.2.2 Perry Plant Technical Department

Manager, Perry Plant Technical Department

The Manager, Perry Plant Technical Department (PPTD) has overall responsibility for the plant technical, radiation protection, security, training, instrumentation and control and administrative activities ^{in support of the operation of the Perry Nuclear Power Plant.} He is ^{also} responsible for compliance with the plant operating license, regulations, and the PNPP Operational Quality Assurance Program. The Manager, PPTD, is also responsible for implementation of the Perry Physical Security Plan. He serves as Vice-Chairman of the Plant Operations Review Committee and, along with the Manager, PPOD, is responsible for approval of all Plant administrative procedures. The Manager, PPTD reports to the Vice President, Nuclear Operations Division.

Technical Superintendent

The Technical Superintendent is responsible for coordinating the technical, administrative support, and I & C activities and for the radiological control services required to support plant operations and maintenance activities. The Technical Superintendent is a Vice Chairman of the Plant Operations Review Committee and reports to the Manager, Perry Plant Technical Department.

Supervising Operator

The Supervising Operator is responsible for directing the activities of the non-licensed shift employees including plant operators, attendants, assistants and others as may be assigned for special tasks to insure proper operation and monitoring of plant systems and equipment. The Supervising Operator reports to the Unit Supervisor.

Plant Operator

The Plant Operator is the senior non-exempt operating person on each shift. He performs routine inspections and operations on plant equipment outside the control room at the direction of the Supervising Operator, Unit Supervisor or Shift Supervisor.

Succession of Authority

The Manager, Perry Plant Operations Department has overall responsibility for all plant activities during normal operations. In the event of unexpected contingencies of a temporary nature, when the Manager, Perry Plant Operations Department is unavailable, responsibility will be delegated to the following positions in the order listed:

- a. General Supervisor, Operations
- b. Senior Operations Coordinator
- c. Shift Supervisor

Administrative procedures have been written to limit access to the control room and to establish a clear line of authority, responsibility, and succession in the control room.

<u>Job Title</u>	<u>Operations, Startup, Hot Shutdown</u>		<u>Cold Shutdown, Refueling</u>
	<u>Unit 1</u>	<u>Units 1 & 2</u>	<u>Unit 1 prior to Unit 2 operation</u>
Supervising Operator (RO)	2	3	1
Plant Operator (AO)	1	2	1
Plant Attendant (AO)	1	2	1
Radwaste Technician	1	1	1
Health Physics Technician	1	1	1
Chemistry Technician	1	1	1
I & C Technician	1	1	1
Shift Technical Advisor	1	1	0

During refueling operations, an additional Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling will supervise these operations and will have no other concurrent duties.

An around-the-clock radiation protection program will be implemented by the presence of at least one individual qualified in radiation protection. Additional personnel will be scheduled as required to cover special jobs or work loads as determined by radiation protection supervision. During normal work days, the radiation protection personnel report to radiation protection supervision. During off shifts and weekends, the radiation protection personnel will report to radiation protection supervision or to the Shift Supervisor.

Shift crew composition for licensed operators and unlicensed operators may be less than the minimum requirements for a period of time not to exceed two hours in order to accommodate an unexpected absence of on-duty shift crew members provided immediate action is taken to restore composition to within the minimum requirements as stated.

on shift reporting to the Shift Supervisor and A Shift Technical Advisor will be available to provide technical support to the Shift Supervisor, including advising him on the safety status of the plant, diagnosing plant accidents and recommending actions to mitigate the consequences of accidents. The STA will provide on shift reactor engineering support, if qualified. Administrative procedures require all planned control rod movements be performed under the direction of a qualified reactor engineer.

TABLE 13.1-1

PNPP STAFF TITLES AND ANSI N18.1-1971 EQUIVALENT

<u>PNPP Position or Title</u>	<u>ANSI N18.1-1971 Equivalent</u>
Manager, Perry Plant Operations Dept.	* Plant Manager
Manager, Perry Plant Technical Dept.	* Technical Manager
Technical Superintendent	Technical Manager
Manager, Nuclear Engineering Dept.	* Engineer In Charge
General Supervisor, Operations Section	* Operations Manager
Supervisor, Radwaste Unit	* Supervisor not requiring NRC License
Senior Operations Coordinator	Supervisor requiring NRC License ¹
Shift Supervisors	* Supervisors requiring NRC License
Unit Supervisors	* Supervisors requiring NRC License
Supervising Operators	* Supervisors requiring NRC License
General Supervisor, Maintenance Section	* Maintenance Manager
Lead Supervisor, Maintenance Unit	* Supervisors not requiring NRC License
Supervisors, Maintenance	Supervisors not requiring NRC License
General Supervising Engineer, Materials Services Section	Technical Manager
General Supervising Engineer, I&C Section	Maintenance Manager
Lead Instrumentation and Control Engineer	* Professional-Technical, Instrumentation and Control
Lead Instrumentation & Control Supervisor	* Supervisors not requiring NRC License
Supervisors, Instrumentation & Control	Supervisors not requiring NRC License
General Supervising Engineer, Technical Section	Technical Manager

TABLE 13.1-1

PNPP STAFF TITLES AND ANSI N18.1-1971 EQUIVALENT

<u>PNPP Position or Title</u>	<u>ANSI N18-1971 Equivalent</u>
Reactor Engineers	* Professional-Technical, Reactor Engineering
General Supervising Engineer, Radiation Protection Section	Technical Manager
Plant Health Physicist	* Professional-Technical Radiation Protection
Supervisor, Health Physics	* Supervisors not requiring NRC License
Supervisors, Radiation Protection	* Supervisor not requiring NRC License
Plant Chemist	* Professional-Technical Radiochemistry
Supervisor, Chemistry Unit	* Supervisor not requiring NRC License

* Asterisks denote the ANSI N18.1-1971 positions and the corresponding PNPP Supervisory and Operating Staff titles that fill those positions. Additional staff positions and ANSI equivalents have been shown to identify the depth and qualifications of the PNPP staff.

¹ Currently scheduled for training to obtain SRO License

TABLE 13.1-2B (Continued)

PNPP OPERATIONS/TECHNICAL STAFF RESUME LIST

<u>Number</u>	<u>Individual</u>	<u>Position</u>
56.	Peter D. Roberts	Associate Operations Engineer (STA)
57.	Robert H. Storch	Associate Operations Engineer (STA)
58.	David B. Miller	Associate Operations Engineer (STA)
59.	Daniel G. Phillips	Associate Operations Engineer (STA)
60.	Scott H. Soper	Associate Operations Engineer (STA)
61.	James D. Ellis	Associate Operations Engineer (STA)
62.	Gary R. Anderson	Lead Instrumentation & Control Engineer
63.	John G. Cantlin	Startup Test Element Supervisor
64.	Melvin W. Gmyrek	Senior Operations Coordinator
65.	Lewis B. Biddlecome	Startup Test Program Director
66.	Vincent J. Concel	Senior Design Engineer
67.	Richard P. Wheeler	Unit Supervisor
68.	Ronald L. Scherman	Lead Maintenance Unit Supervisor
69.	Michael P. Johnson	Maintenance Supervisor
70.	Mark L. Trombley	Maintenance Supervisor
71.	Thomas A. Oleksiak	Maintenance Supervisor
72.	John P. Goecker	Maintenance Supervisor
73.	Gene L. Haywood	Maintenance Supervisor
74.	Kevin P. Donovan	Associate Operations Engineer - Reactor Engineering
75.	Frank C. Whitaker	Radiation Protection Analyst

TABLE 13.1-2B (Continued)

PNPP OPERATIONS/TECHNICAL STAFF RESUME LIST

76.	David J. Piller	Chemistry Supervisor
77.	Donald K. Cobb, Jr.	Unit Supervisor
78.	Joseph T. Hanley	Unit Supervisor
79.	Mark D. Mlachak	Unit Supervisor
80.	James K. Morehouse	Unit Supervisor
81.	Michael Nemcek	Unit Supervisor
82.	Cairn L. Mego	Unit Supervisor
83.	Robert J. Sochia	Unit Supervisor

TABLE 13.1-3 (Continued)

RESUME NO. 31

Name: Robert P. Jadgchew, General Supervising Engineer, Instrumentation and Control Section

Personal Education and Training:

B. S. Mechanical Engineering, Cleveland State University, 1968
M. S. Mechanical Engineering, Cleveland State University, 1971
Professional Engineer State of Ohio, 1977

Experience:

1968 -Present: the Cleveland Electric Illuminating Company

Joined CEI in 1968 as a Junior Engineer in the Production Engineering Section and assigned as the Engineer-in-Charge of the ASME Turbine Acceptance Test for the 650 MW Avon No. 9 Unit. The Engineer-in-Charge responsibilities included test procedure preparation, test instrumentation calibration/installation, manpower, conduct of test, test results review/approval.

In 1972, was assigned to the Davis-Besse Nuclear Power Plant Operations Staff as a System Test Engineer. Primary duties included procedure preparation, system turnovers, initial checkout and run-in tests and formal pre-operational tests for most NSSS and ECCS systems. Included in this effort was the IC&R for state of the art instrumentation such as the Loose Parts Monitoring System.

In 1976, was assigned to CEI's newly formed Nuclear Test Section as the Lead NSSS Test Engineer. Responsibilities included test program development, manning, budgets and selection of consultant assistance.

In 1980, was assigned as Senior Project Engineer, Nuclear Design Section and was responsible for mechanical design engineering of the Perry Plant.

In 1981, was named Contracts Manager, Nuclear Construction Section and was responsible for supervising and coordinating the efforts of all Contract Administrators to assure adherence to contract schedules and the project construction budget. All major construction disciplines reported to the contracts manager; including piping, electrical, HVAC, instrumentation and civil.

In 1982, was promoted to position of General Supervising Engineer, Nuclear Construction Administration Section and was responsible for supervising the Contracts Administration and the Field Construction Units. Reported to the Manager, Nuclear Construction Department.

In 1985, was transferred to present position of General Supervising Engineer Instrumentation and Control Section and is responsible for supervising the Electrical and I&C Engineering and the I&C Maintenance and Calibration Units. Reports to the Technical Superintendent, Perry Plant Technical Department.

TABLE 13.1-3 (Continued)

RESUME NO. 63

Name: John G. Cantlin, Senior Design Engineer, Technical Section

Formal Education and Training:

Electronic Technician "A" School, U.S. Navy, 1971-1972
Nuclear Power Training School, U.S. Navy, 1972-1973
Nuclear Prototype Training School, U.S. Navy, 1973
Bachelor of Science in Nuclear Engineering, University of Florida, 1979
Five-Week Perry Nuclear Plant Technology (GE), 1980
Operator Training Course, Perry Simulator (GE), 1980 (SRO Certification)
Station Nuclear Engineering, (GE), 1981
SRO License Candidate Course (CEI/GE), 1983, 1985
Masters of Science in Mechanical Engineering, Cleveland State, 1984

Experience:

1980 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Associate Operations Engineer assigned to Technical Section, Perry Plant Department. Assignments included design review, technical specifications, system descriptions, FSAR review, and test procedure review. Participated in a refueling outage at the Monticello Nuclear Plant for five weeks in 1980, and at the Grand Gulf Nuclear Plant initial fuel loading for two weeks in 1982. Promoted to Operations Engineer in September, 1982. Completed four weeks of hot observation training at Dresden Nuclear Plant and two weeks at Susquehanna Nuclear Plant in 1984. Obtained Senior Reactor Operators license for Perry Unit 1 in 1985 (License SOP-30472). Lead CEI engineer for the post-fuel load Startup Test Program since 1983. Reports directly to Startup Test Program Director.

1978 - 1979: The University of Florida

Qualified and licensed by the NRC as Reactor Operator on the University of Florida Training Reactor; a 100KW Argonaut-type training reactor. (License OP-4972) Responsibilities included operations, maintenance, and training.

1971 - 1977: U.S. Navy

Qualified Reactor Operator at Nuclear Prototype Training School in 1973 at Windsor Locks, Connecticut. Assigned to the USS Sam Rayburn, an operating nuclear-powered fleet ballistic missile submarine, in 1973 as an Electronics Technician. Qualified as Engineering Officer of the Watch, Engineering Watch Supervisor, and Reactor Operator. Leading Petty Officer of the Reactor Control Division. Responsible for all preventive and corrective maintenance for nuclear instrumentation, reactor process instrumentation, and reactor control systems.

John G. Cantlin

TABLE 13.1-3 (Continued)

RESUME NO. 63 (Continued)

Professional Membership:

American Nuclear Society

TABLE 13.1-3 (Continued)

RESUME NO. 65

Name: Lewis B. Biddlecome, Startup Test Program Director, Perry Plant
Technical Department

Formal Education and Training:

Interior Communications Technician "A" School, U.S. Navy, 1957
Submarine School, U.S. Navy, 1958
Nuclear Power Training School, U.S. Navy, 1958
SIW Nuclear Prototype Training, U.S. Navy, 1959
NESEP College Preparatory School, U.S. Navy, 1960
Polaris Precommissioning School, U.S. Navy Westinghouse Bettis, 1963
Bachelor of Science Degree in Metallurgical Engineering, University of
Idaho, 1960-1963, 1968-1970
Graduate Courses in Secondary Education, University of Idaho, 1970

Experience:

1985 - Present: The Cleveland Electric Illuminating Company

Joined CEI as a Senior Staff Engineer assigned to the Office of the Manager, Perry Plant Technical Department. Duties include compliance engineering, reviewing and resolving NRC IE and INPO Event Reports, Licensing commitment tracking, preparation and review of Periodic Test Instructions, and coordination of Nuclear Plant Reliability Data System activities. Named Startup Test Program Director in October, 1985. Reports directly to the Technical Superintendent.

1972 - 1984: General Electric Company

From 1981 to 1984, GE Operations Manager at Hanford-2 Nuclear Power Plant, pre-hydro through commercial operation. Provided technical direction and procedure review on GE scope-of-supply equipment. Coordinated resolution of startup/operations problems with GE projects office. Provided administrative supervision to other GE site test personnel. Certified by GE to Level III under ANSI 45.2.6.

From 1978 to 1981, dual GE Lead Test Engineer and CEI NSSS Lead Test Engineer at Perry Nuclear Power Plant. GE duties identical to Hanford-2 duties. In addition to the usual NSSS Lead functions, provided technical assistance to utility management personnel for planning, scheduling and administrative procedures.

From 1974 to 1978, GE Startup Testing and Operations Engineer at Brunswick-1 & 2, Hatch-2, and Shoreham. GE SRO certification - was GE Shift Superintendent on Brunswick-2 startup. Experience with all NSSS mechanical systems and some BOP. Writing, review, and performance experience on all types of procedures. Trained one RO class through complete certification course.

TABLE 13.1-3 (Continued)

RESUME NO. 65 (Continued)

Experience:

1972 - 1974: Westinghouse Electric Corporation

Westinghouse Nuclear Plant Engineer at SLW Naval Prototype. Qualified Engineering-Officer-of-the-Watch and Plant Operations Crew Supervisor. Responsibilities divided equally between operations and training, with some maintenance supervision and physics testing.

1970 - 1972: Mathematics teacher and wrestling coach - Junior High School

Summer 1969: Student aide at Argonne National Laboratory, Idaho Facilities. Worked on increasing allowable exposure to fuel pins at EBR-II.

1957 - 1968: U.S. Navy

Nuclear Trained Interior Communications Technician; qualified submarines, qualified on all nuclear and most non-nuclear enlisted watch stations. Tours of duty aboard two conventional and three nuclear submarines. Shipyard and new construction duty about two years. Various technical "C" schools. This experience included three years of NESEP college program.

1956 - 1957: U.S. Naval Reserve, Airman Recruit.

TABLE 13.1-3 (Continued)

RESUME NO. 67

Name: Richard P. Wheeler, Unit Supervisor, Operations Section

Formal Education and Training:

Power Production Specialist School, U. S. Air Force, 1962
Two-Week Research Reactor Training Program, University of Wisconsin (General Physics Corporation), 1979
Twenty-Week Academic Program for Nuclear Power Plant Personnel (General Physics Corporation), 1979
Five-Week Dresden Nuclear Plant Technology (GE), 1979
Ten-Week Operators Training Course, Dresden Simulator (GE), 1979
Four-Week BWR Observation Training, Millstone Nuclear Power Plant (GE), 1979
SRO Upgrade Program, Lakeland Community College and Ohio State University, 1980 - 1982
Six-Month Operations Experience Training, Millstone Nuclear Power Plant, 1982-1983
Two-Week Reactor Physics, Thermo, Heat Transfer & Fluid Flow Course, University of Michigan, 1983
Five-Week Management Training Course, Management Associated Results Company, 1984
Received SRO License for Perry Unit 1 in June, 1985

Experience:

1966 - Present: The Cleveland Electric Illuminating Company

Joined CEI as a Plant Helper, Avon Lake Plant (fossil-fired plant). Obtained Stationary Engineer's License in 1967. Advanced to Plant Head Control Operator and qualified in all aspects of multi-unit and plant operations. In 1978, transferred to Perry Plant Department as a Perry Plant Trainee. In 1979, qualified as Senior Reactor Operator at Dresden Simulator and promoted to Supervising Operator. Responsibilities included writing and revising various administrative and operating procedures. Promoted to Unit Supervisor in 1982. Supervised procedure writing and review unit. Presently, Control Room SRO in charge of Unit 1 operating and testing activities for assigned shift. Licensed SRO for Perry Unit 1 (SOP-30469) in 1985. Reports directly to Shift Supervisor, Operations Section.

1978 - 1980: U.S. Naval Reserve

Boiler Technician - qualified in maintenance and operation of boilers, turbines, and associated equipment.

1962 - 1966: U.S. Air Force

Power Production Specialist - qualified in maintenance and operation of diesel powered generators. Ground Power Specialist - qualified in maintenance and operation of aircraft ground support equipment.

TABLE 13.1-3 (Continued)

RESUME NO. 68

Name: Ronald L. Scherman, Lead Supervisor, Maintenance Unit

Formal Education and Training:

Aviation Electrician Mate's School, U.S. Navy, 1968
Attended Kent State University, Course in Mechanical Engineering
Technology, 1976 - 1977
Five-Week Modern Management, Maintenance Planning (CEI), 1979
Three-Week observation training at Davis-Besse Plant, 1980
One-Week observation training at Monticello Nuclear Plant, 1980
One-Week Principles of Reactor Operation Training Course,
General Physics Corp., 1981
One-Week Electrical Controls of Division III Emergency Diesel Generator
Training Course, Stewart and Stevenson Co., Houston, Texas, 1982
Three-Week observation training at Millstone Nuclear Plant 1983
One-Week Project II Outage Management Scheduling Course, University
of Michigan, Anne Arbour, Michigan 1984
One-Week Managers Guide to Labor Relations Course, Management
Associated Results Co., 1984

Experience:

1972 - Present: The Cleveland Electric Illuminating Company

Joined CEI in 1972 as Plant Helper. Held various job positions associated with maintenance and operation of electrical systems in fossil plants. In 1979, assigned to Production Engineering Department as a Maintenance Planner activities included establishing Bench marks and standards, planning of maintenance repairs of plant equipment. Rotation of assignment as Electrical Maintenance Supervisor, Ashtabula Plant. In 1980 assigned to Perry Plant Department as a Maintenance Supervisor. Duties included developing of the Maintenance program, Preventive and Corrective maintenance procedures and instructions, hiring and supervision of craft personnel. In 1982, acted as Lead Maintenance Supervisor, lead Maintenance Planner and as Nuclear Test Section Maintenance Engineer. In 1985, promoted to Lead Supervisor Maintenance Unit. Reports directly to General Supervisor, Maintenance Section.

1968 - 1971: U.S. Navy

Aviation Electrician Mate - Duties included the performance of preventive and corrective maintenance on Military aircraft.

TABLE 13.1-3 (Continued)

RESUME NO. 69

Name: Michael P. Johnson, Supervisor, Maintenance

Formal Education and Training:

Boiler Tech, Training "A" School, U.S. Navy, 1976
Machine Shop and Related Skills, 630 hours, Kent State University,
1982-1983
Control Rod Drive Training, Removable & Rebuild, Northeast Nuclear
Energy Co., 1982
Nuclear Power Plant Steam and Mechanical Fundamentals, PNPP, CEI, 1982
Oxyacetylene Safety Training, PNPP, CEI, 1983
Safety Operation & Maintenance of Forklift Trucks, PNPP, CEI, 1983
Pump Alignment Training, PNPP, CEI, 1983
Basic Algebra, PNPP, CEI, 1984
Perry Fundamentals, PNPP, CEI, 1984
Rigging Practices, PNPP, CEI, 1984
Refueling Floor Technical Director Course, G.E., 1985
Recirculating Flow Control Valve Maintenance, B.W.R. Services Training,
San Jose, CA., 1985

Experience:

1977 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Plant Helper at the Ashtabula Plant. In 1978, promoted to Mechanic Assistant. In 1979, promoted to Maintenance Mechanic Grade II. In 1984, promoted to Maintenance Mechanic Grade I. During 1984 and 1985 received supervisory training. In 1985, promoted to Supervisor, Maintenance and reports to Lead Supervisor, Maintenance Unit.

1976 - 1977 U.S. Navy

Boiler Technician--primary duty was to operate and maintain the ships Steam Plant.

TABLE 13.11-3 (Continued)

RESUME NO. 70

Name: Mark L. Trombley, Supervisor, Maintenance

Formal Education and Training:

Basic Electricity and Electronics, U.S. Navy, 1968
Interior Communications 'A' School, U.S. Navy, 1968
Nuclear Power Training School, U.S. Navy, 1969
Twenty-Week Academic Program for Nuclear Power Plant Personnel (CEI), 1979
Five-Week Perry Plant Technology Course (GE), 1980
Eight-Week Operators Training Course, Perry Simulator (GE), 1980
One-Week Refuel Floor Familiarization (GE), 1984

Experience:

1979 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant, Operations Section, Perry Plant Department. Activities included preparing written System Operating Procedures, Alarm Response Procedures, and System Operating Descriptions. In 1981 transferred to Maintenance Department. In 1982, promoted to present position of Supervisor, Maintenance. Reports to Lead Supervisor, Maintenance Unit.

1968 - 1979: U.S. Navy

Interior Communications Electrician, qualified Engineering Watch Supervisor. Duties included the performance of preventive and corrective maintenance on electrical and electronic equipment throughout the reactor and steam plant plus all other support systems on a nuclear submarine. Spent four years as an instructor at a nuclear prototype. Duties also involved the scheduling and supervising of the performance of maintenance by division personnel.

TABLE 13.1-3 (Continued)

RESUME NO. 71

Name: Thomas A. Oleksiak, Supervisor, Maintenance

Formal Education and Training:

Machinist Mate "A" School, U.S. Navy, 1972
Nuclear Power Training School, U.S. Navy, 1972
Twenty-Week Academic Program for Nuclear Power Plant Personnel
(General Physics Corporation), 1979
Five-Week Dresden Nuclear Plant Technology (GE), 1979
Ten-Week Operators Training Course, Dresden Simulator (GE), 1979
Five-Week Perry Plant Technology Course (GE), 1980
Ten-Week Operators Training Course, Perry Simulator (GE), 1980

Experience:

1978 - Present: Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant - Activities included preparing written system descriptions and operating procedures. In 1979 certified as Reactor Operator at Dresden Simulator and promoted to Supervising Operator. In 1981 transferred to Maintenance Department. In 1982, promoted to present position of Supervisor, Maintenance. Reports to Lead Supervisor, Maintenance Unit.

1972 - 1978: U. S. Navy

Machinist Mate - Qualified as Engineering Watch Supervisor. Duties included the performance of preventive and corrective maintenance on mechanical equipment throughout the reactor and steam plant, and the scheduling and supervising of the performance of the maintenance by the rest of the division.

TABLE 13.1-3 (Continued)

RESUME NO. 72

Name: John P. Goecker, Supervisor, Maintenance

Formal Education and Training:

Machinist Mate Training School, U.S. Navy, 1972
Quality Assurance School, U.S. Navy, 1976
Bettis Nuclear Actuator, 1985
Recirculation Pump Seal School, 1984
Supervising Welding - Hobart, 1984
GTAW Basic Welding - Hobart, 1984
Vibration Analyst - IRD Mechanalysis, 1982
MSIV Maintenance - GE, 1983
Project/2 Outage Scheduling - PSDI, 1982
Valve and Valve Motor-Operated Maint. - INPO, 1983
855 Cummins Diesel Maint. & OVHL, 1982
Transamerica DeLaval Maint., 1982
Pacific Scientific Repair OVHL & Test, 1984
Fisher Valve Technician, 1982
Refueling Floor Maint. - GE, 1985

Experience:

1979 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant, assigned to Maintenance Section, Perry Plant Department. Activities included spare parts evaluations of plant equipment, maintenance coordinator and development of a scheduling system for tracking field storage maintenance requirements. In 1981, promoted to Associated Maintenance Planner. Activities included preparing maintenance procedures, serving as alternate for the Maintenance Supervisor and a member of the Outage Planning Task Force. In 1984, promoted to Supervisor, Maintenance. Activities include supervising and scheduling maintenance work on plant equipment, development and review of plant procedures and supervising maintenance personnel/craft. Reports to Lead Supervisor, Maintenance Unit.

1972 - 1979: U.S. Navy

Machinist Mate - qualified Engine Room Watch Supervisor aboard a 1200 PSI Fossil-Fueled Aircraft Carrier. Duties included the performance of preventive and corrective maintenance, and operation of main propulsion and auxiliary equipment (turbines, pump, etc.). Transferred to a Nuclear Fast Attack Submarine Tender, with duties including preventive and corrective maintenance of all submarine mechanical equipment and supervision of personnel assigned to the Outside Machine Shop.

TABLE 13.1-3 (Continued)

RESUME NO. 73

Name: Gene L. Haywood, Supervisor, Maintenance

Education and Training:

Machinist Mate School, U. S. Navy, 1954
Submarine School, U. S. Navy, 1955
Nuclear Power Training, U. S. Navy, 1959
Stainless Steel Welding School, U. S. Navy, 1961
Nuclear Quality Assurance School, U. S. Navy, 1972
Instructor Training School, U. S. Navy, 1972
Six-Week B.W.R. Plant Design and Fundamentals Training Course, CEI, 1976
One-Week ASME Code, Section 9 Training Course, CEI, 1978
Three-Week Visual Welding Inspection Training Course, CEI, 1980
One-Week Skills of Contract Administration Training Course, CEI, 1982
Three-Day Construction Project Management Training Course,
Baldwin-Wallace College, 1983
Two-Week Refueling Technical Director Training Course, CEI, 1985

Experience:

1975 - Present: Cleveland Electric Illuminating Company

Joined CEI as Relief Plant Watch Engineer, spent 3 months at the Eastlake Plant qualifying as Electrical Operator and six months at Davis-Besse Nuclear Power Plant as Test Leader in Heating, Ventilation and Air Conditioning Systems. In 1978, promoted to Maintenance Supervisor. Involved with preparation of Maintenance procedures. Developed the Project Maintenance Activity and conducted its operation; was the responsible engineer for turbine erection. In 1983, transferred to Nuclear Construction Department. As Contract Administrator, was responsible for balance of plant and NSSS equipment installation and construction. The same year, promoted to Lead Mechanical Contract Administrator. In 1984, transferred as Supervisor, Maintenance, to Maintenance Section, Perry Plant Operations Department; reports to Lead Supervisor, Maintenance Unit.

1955 - 1975: U. S. Navy

Qualified as Engineering Watch Supervisor and Engine Room Supervisor. Duties included seven years as Machinery Division Leading Petty Officer and two years as Reserve Station Director.

Professional Membership:

American Nuclear Society

TABLE 13.1-3 (Continued)

RESUME NO. 74

Name: Kevin P. Donovan, Associate Operations Engineer, Technical Section

Formal Education and Training:

B.S. Nuclear Engineering, Iowa State University, 1981
General Electric's Station Nuclear Engineering Course, 1982
Reactor Engineer per ANSI-N18.1 (1971 version), 1984
Reactor Engineer per ANSI/ANS-3.1 (1978 and 1981 versions), 1985

Experience:

1985 - Present: The Cleveland Electric Illuminating Company

Joined Cleveland Electric Illuminating Company as an Associate Operations Engineer in the Reactor Engineering Element of the Technical Section. Responsible for development of instructions and documents in support of fuel load and reactor startup.

1981 - 1985: Commonwealth Edison Company

Joined Commonwealth Edison Company as an Engineer in the Technical Staff at Quad-Cities Nuclear Power Station as the Computer Coordinator. Was responsible for coordination of the computers and related services throughout the station, including maintenance outage scheduling, and procurement of hardware and software for users at the station. Participated in the process computer replacement at the station, including the transfer of the nuclear software system from the process computer to a minicomputer, and the testing of the new software for consistency with the old software prior to use.

In 1982, assumed the duties of Nuclear Engineer. Became a Qualified Nuclear Engineer in 1983. As a Nuclear Engineer, was responsible for core monitoring and testing, meeting exposure and power shape commitments, performing instrument calibrations, providing technical support and direction during reactor power maneuvers, and procedure development. Determined when to replace various core components, such as control rod blades and neutron detectors. In 1983, was promoted to position of General Engineer.

TABLE 13.1-3 (Continued)

RESUME NO. 75

Name: Frank C. Whitaker, Jr., Radiation Protection Analyst, Radiation Protection Section

Formal Education and Training:

Various Management Courses, Carolina Power & Light, 1983-1985
Westinghouse Power Systems Course, six weeks, 1983
Health Physics Supervision Course, Northeast Utilities, 1978
Submarine School, U.S. Navy, 1971
E.L.T. School, U.S. Navy, 1971
Nuclear Prototype School, U.S. Navy, 1970
Nuclear Power School, U.S. Navy, 1970
Virginia Military Institute, Electrical Engineering, 1964-1968

Experience:

1985 - Present: The Cleveland Electric Illuminating Company

Joined CEI as a Radiation Protection Analyst assigned to the Radiation Protection Section, Perry Plant Technical Department. Responsible for assisting the Plant Health Physicist in establishing the Radiation Protection Program, including performing internal audits as directed by the Plant Health Physicist, performing special projects, performing ongoing internal and external dosimetry evaluation trend analysis, ongoing calibration evaluations, personnel contamination trend analysis, evaluating new regulations and requirements, and performing Health Physics outage planning.

1983 - 1985: Carolina Power and Light Company

Shearon Harris Nuclear Project. Joined CP&L as a Radiation Control Supervisor responsible for implementing the Health Physics Program in accordance with technical specifications, regulatory requirements and with applicable Federal, State and local laws, Company policies and plant procedures. Responsible for radwaste shipping, dosimetry, calibration and plant surveillance. In November 1984, joined the Operations Department as an Operations Shift Supervisor. Responsible for the operation of plant equipment in the radwaste area.

1975 - 1983: Northeast Utilities

Joined Northeast Utilities as a Health Physics Technician responsible for providing radiological coverage during operational and refueling phases. In 1977 promoted to Health Physics Foreman in charge of dosimetry and calibration. In 1979 promoted to Radiation Protection Supervisor responsible for supervising Health Physics Foremen and Technicians for unit operations and outage coverage and for dosimetry and calibration support.

TABLE 13.1-3 (Continued)

RESUME NO. 75 (Continued)

Experience: (Cont.)

1969 - 1975: U.S. Navy

Nuclear Machinist Mate/ELT aboard the U.S.S. Casimir Pulaski, SSBN 633 and U.S.S. Skip Jack, SSN 585. Qualified on all mechanical watchstations and as Leading Engineering Laboratory Technician.

Professional Membership

Health Physics Society

TABLE 13.1-3 (Continued)

RESUME NO. 76

Name: David J. Piller, Chemistry Supervisor - Radiation Protection Section

Formal Education and Training:

U. S. Navy Machinist Mate School, 1983
U. S. Navy Nuclear Power School, 1975
U. S. Navy Nuclear Prototype School, 1975
U. S. Navy Instructor Training School, 1975
U. S. Navy Engineering Laboratory Technician School, 1977
Two-Week Corrosion Engineering Course, Ohio State University, 1981
Twelve-Week BWR Chemistry for Technicians, General Electric, 1983.
One-Week Perry Fundamentals, 1984
Seven-Week Perry Plant Tech Systems Upgrade, 1984
Bachelor of Science in Chemistry, Garfield Senior College, 1984

Experience:

September 1980 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Senior Engineering Technician, Chemistry Unit, Radiation Protection Section. Responsibilities included waste water, sanitary and routine plant chemistry sampling and analysis. Assisted Nuclear Test Section with chemical analysis and additions to various plant systems during startup phase. Responsible for operation of pretreatment system, including regeneration and operation of Two-Bed and Mixed-Bed Makeup Demineralizer Systems. Other responsibilities included preparation of National Pollutant Discharge Elimination System forms, assisted in writing Chemistry Administrative Instructions, Laboratory Equipment Instructions and various Plant System Operating and Alarm Response Instructions.

In 1982, promoted to Chemistry Technician. Responsible for review of plant system operating instructions pertaining to the Chemistry Unit, initiating engineering changes to chemical systems, performing analysis on flush water in support of plant startup testing, preparing Plant Administrative Procedures, and assisting lab technicians.

In 1984, promoted to Associate Radiation Protection Analyst. Responsible for tracking of systems' operating performance data, including the Post Accident Sampling System, initiation of required work documentation, implementation of an operational Chemical Control Program, initial setup, testing and troubleshooting of analytical equipment, and assisting in the preparation and review of Chemistry related System Operating Instructions and Laboratory Equipment Instructions.

TABLE 13.1-3 (Continued)

RESUME NO. 76 (Continued)

Experience: (Cont.)

In 1985, promoted to Chemistry Supervisor. Reports directly to the plant Chemist, Radiation Protection Section.

1973 - 1980: U. S. Navy. Leading Engineer Laboratory Technician aboard S5W submarine, responsible for 5 man division. Responsible for Primary and Secondary plant chemistry control including all record reviews and retention; control and inventory of chemicals. Also responsible for routine and emergency health physics coverage including personnel radiation exposure records, Man-Rem Reduction Program, normal and special radiation surveys. Responsible for training of shipboard personnel in radiological procedures for both power plant and weapons emergencies. Served as a Machinist Mate Instructor at the Naval Prototype, Knolls Atomic Power Laboratory Windsor, Connecticut. Responsible for training students in plant theory and operation of systems, along with maintenance of mechanical systems. Assisted in major repairs of Primary System components including replacement of Main Coolant Pump and Main System components including replacement of Main Coolant Pump and Main Coolant Check valve from both mechanical and radiological standpoints.

Professional Memberships:

American Nuclear Society

TABLE 13.1-3 (Continued)

RESUME NO. 77

Name: Donald K. Cobb, Jr., Unit Supervisor, Operations Section

Formal Education and Training:

Machinist Mate "A" School, U.S. Navy, 1974
Nuclear Power Training School, U.S. Navy, 1975
Five-Week Perry Plant Nuclear Power Technology Course (GE), 1980
Ten-Week Operators Training Course, Perry Simulator (GE), 1980
SRO Upgrade Program, Lakeland Community College & Ohio State University,
1981 - 1982
B. S. Mathematics, Lake Erie College, 1983
Thirty-Week SRO License Class, 1983
Candidate, M.S. Nuclear Engineering, University of Cincinnati, 1984 - present
Ten Week SRO License Refresher Class, 1985
Received SRO License for Perry Unit 1 in March 1985

Experience:

1980 - Present: Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant, assigned to Operations Section, Perry Plant Department. Activities included preparing and reviewing Alarm Response and Off-Normal Instructions. In 1981, certified as Senior Reactor Operator at Perry Simulator and was promoted to Supervising Operator.

In 1982, promoted to present position of Unit Supervisor, Operations Section. Current responsibilities include supervision of the on-shift crew of operators during the testing phase of plant construction. Licensed SRO for Perry Unit 1 (SOP-30425) in 1985. Reports directly to Shift Supervisor, Operations Section.

1974 - 1980: U.S. Navy

Machinist Mate - qualified on all mechanical watch stations and Engineering Watch Supervisor. Duties as Machinery Division's Assistant Leading Petty Officer, which included maintenance and operation of propulsion plant equipment, and supervision of reactor plant preventative maintenance program.

TABLE 13.1-3 (Continued)

RESUME NO. 78

Name: Joseph T. Hanley, Unit Supervisor, Operations Section

Formal Education and Training:

Machinist Mate 'A' School, U. S. Navy, 1974
Nuclear Power Training, U. S. Navy, 1975-1976
Five-Week BWR-6 Technology, (GE), 1982
Nine-Week Perry Simulator Course, (GE), 1982
Ten-Week SRO License Refresher Class, 1985
Received SRO License for Perry Unit 1 in March, 1985

Experience:

1980 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant, assigned to Operations Section, Perry Plant Department. Obtained a Stationary Engineer's License, and certified as Senior Reactor Operator in 1982. Promoted to Supervising Operator in 1982. Duties included review of system instructions. Also was in charge of completion of Alarm Response Instructions. Promoted to Unit Supervisor in 1982. Responsible for operation and testing of equipment in the construction and pre-operational phase of the plant. Licensed SRO for Perry Unit 1 (SOP-30426) in 1985.

1974 - 1980: U. S. Navy

Qualified as Engineering Watch Supervisor on a nuclear powered fast attack submarine. Duties included Training Petty Officer and Calibration Petty Officer for machinery division and Duty Section Leader. Also, served as an instructor on a U. S. Navy Nuclear Prototype.

TABLE 13.1-3 (Continued)

RESUME NO. 79

Name: Mark D. Mlachak, Unit Supervisor, Operations Section

Formal Education and Training:

Machinist Mate "A" School, U.S. Navy, 1975
Nuclear Power Training School, U.S. Navy, 1977
Engineering Laboratory School, U.S. Navy, 1977
Twenty-Week Academic Program For Nuclear Power Plant Personnel
(General Physics Corporation), 1981
Thirty-Week SRO License Class, 1983
Ten-Week SRO License Refresher Class, 1985
SRO License Refresher Class, 1985
Received SRO License for Perry Unit 1 in March, 1985

Experience:

1981 - Present: Cleveland Electric Illuminating Company

Joined CEI as Operations Engineer Assistant, assigned to Operations Section, Perry Plant Department. Activities included writing System Operating Instructions, reviewing plant startup test procedures and standing watch in the control room. In 1982, certified as Senior Reactor Operator at the Perry Simulator and was promoted to Supervising Operator. Licensed SRO for Perry Unit 1 (SOP-30428) and promoted to present position as Unit Supervisor in 1985. Reports directly to Shift Supervisor, Operations Section.

1975 - 1981: U.S. Navy

Machinist's Mate - Qualified as Engineering Watch Supervisor, Engine Room Supervisor, Leading Engineering Laboratory Technician. Duties included operation and maintenance of the propulsion plant equipment, scheduling and supervising maintenance, and daily duties of the division.

TABLE 13.1-3 (Continued)

RESUME NO. 80

Name: James K. Morehouse, Unit Supervisor, Operations Section

Formal Education and Training:

Twenty-Week Academic Program for Nuclear Power
Plant Personnel (General Physics Corporation), 1979
Two-Week Research Reactor Training Program, University of
Wisconsin (General Physics Corporation), 1979
Five-Week Dresden Nuclear Plant Technology (GE), 1979
Ten-Week Operator Training Course, Dresden Simulator (GE), 1979
Four-Week BWR Observation Training, Millstone
Nuclear Power Plant (GE), 1979
Attended Kent State University, Ashtabula Branch, 1980
SRO Upgrade Program, Lakeland Community College and
Ohio State University, 1981 - 1982
Received SRO License for Perry Unit 1 in July, 1985

Experience:

1967 - Present: Cleveland Electric Illuminating Company

Joined CEI as Plant Helper at the Ashtabula Plant (fossil-fired plant). In 1972, obtained Third Class Stationary Engineer's License. Advanced in Operations Department to Head Plant Control Operator. In 1978, transferred to Perry Plant Department as Perry Plant Trainee. Certified as Reactor Operator in 1979. Appointed to Supervising Operator in 1980. Certified as Senior Reactor Operator in 1981. Promoted to present position as Unit Supervisor in 1982. Licensed SRO for Perry Unit 1 (SOP-30473) in 1985. Reports directly to Shift Supervisor, Operations Section.

TABLE 13.1-3 (Continued)

RESUME NO. 81

Name: Michael Nemcek, Unit Supervisor, Operations Section

Formal Education and Training:

Fifteen-Week Boiler Operators Course, Max Hayes Trade School,
Cleveland, Ohio, 1970
Attended Cuyahoga Community College, 1977
Twenty-Week Academic Program for Nuclear Power Plant Personnel, (General
Physics Corporation), 1979
Two-Week Research Reactor Training Program, University of Wisconsin,
(General Physics Corporation), 1979
Five-Week Dresden Nuclear Plant Technology Course (GE), 1979
Ten-Week Operators Training Course, Dresden Simulator (GE), 1979
Four-Week BWR Observation Training, Millstone Nuclear Power Plant (GE),
1979
Five-Week Perry Nuclear Plant Technology, (GE), 1980
SRO Upgrade Program, Lakeland Community College and Ohio State University,
1981-1982
Thirty-Week SRO License Class, 1983 - 1984
Ten-Week SRO License Refresher Class, 1985
Received SRO License for Perry Unit 1 in June, 1985

Experience:

1970 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Plant Helper, assigned to Canal Road Plant (fossil-fired
plant). Received a Third Class Stationary Engineer's License.
Transferred to the Lakeshore Plant (fossil-fired plant) in 1972, as a
Plant Helper. Qualified as Equipment Attendant and promoted to Plant
Control Operator in 1972. Transferred to Perry Plant Department as a
Perry Plant Trainee in 1978. Certified as Reactor Operator in 1979.
Promoted to Supervising Operator in 1980. Certified Senior Reactor
Operator in 1981 and promoted to Unit Supervisor in 1981. Licensed as
SRO Perry Unit 1 (SOP-30475) in 1985. Reports directly to Shift
Supervisor, Operations Section.

TABLE 13.1-3 (Continued)

RESUME NO. 82

Name: Cairn L. Mego, Unit Supervisor, Operations Section

Formal Education and Training:

Electronics Technician "A" School, U.S. Navy, 1972
Nuclear Power Training School, U.S. Navy, 1973
Nuclear Power Training Unit, U.S. Navy, 1973
Five-Week D2G Reactor Design School (GE), Knolls Atomic Power Laboratory, 1975
Three-Week Leadership Management Training, U.S. Navy, 1976
Three-Week Instructor Training "C", U.S. Navy, 1976
Eleven-Week Precision Measuring Equipment and Electronics Accelerated,
U.S. Air Force, 1978
Twenty-Week Academic Program for Nuclear Power Plant Personnel
(General Physics Corporation), 1980
Five-Week Perry Nuclear Power Plant Technology (GE), 1980
Ten-Week Operator's Training Course, Perry Simulator (GE), 1980
SRO Upgrade Program, Lakeland Community College, Cleveland State University
and Ohio State University, 1980-1982
2½ Day Recognition of Degraded Core Conditions (GE) 1982
8 Day BWROG Graphic Display System (GE) 1982
Associate of Arts - Pre-engineering, Lakeland Community College, 1982

Experience:

1979 - Present: Cleveland Electric Illuminating Company

Joined CEI as Operations Engineering Assistant, assigned to Operations Section, Perry Plant Department. Promoted to Senior Operations Engineering Assistant in 1980. In 1981, certified as Senior Reactor Operator at the Perry Simulator, promoted to Supervising Operator and then to Unit Supervisor. Activities included spare parts review, in-plant training, review and writing of system descriptions and operating instructions, and Control Room Unit Supervisor. Obtained Third Class Stationary Engineer's License, State of Ohio. Currently participating in SRO License Training.

1971 - 1979: U.S. Navy

Electronics Technician - qualified as Reactor Operator, Electrical Operator, Shutdown Reactor Operator and Reactor Technician (D1G, D2G, ClW). Qualified as Leading Petty Officer, Reactor Controls Division, duties included scheduling, performance and evaluation of preventive and corrective maintenance on the reactor and reactor control equipment. Also scheduled and supervised the performance of operations and maintenance by the rest of the division.

TABLE 13.1-3 (Continued)

RESUME NO. 83

Name: Robert J. Sochia, Unit Supervisor, Operations Section

Formal Education and Training:

Machinist Mate "A" School, U.S. Navy, 1971
Nuclear Power Training School, U.S. Navy, 1971
Twenty-Week Academic Program for Nuclear Power Plant Personnel
(General Physics Corporation), 1980
Five-Week Perry Nuclear Power Plant Technology (GE) 1980
Ten-Week Operators Training Course, Perry Simulator (GE), 1980
SRO Upgrade Program Lakeland Community College, and Ohio State University
1980-1982
Received SRO License for Perry Unit 1 in March, 1985

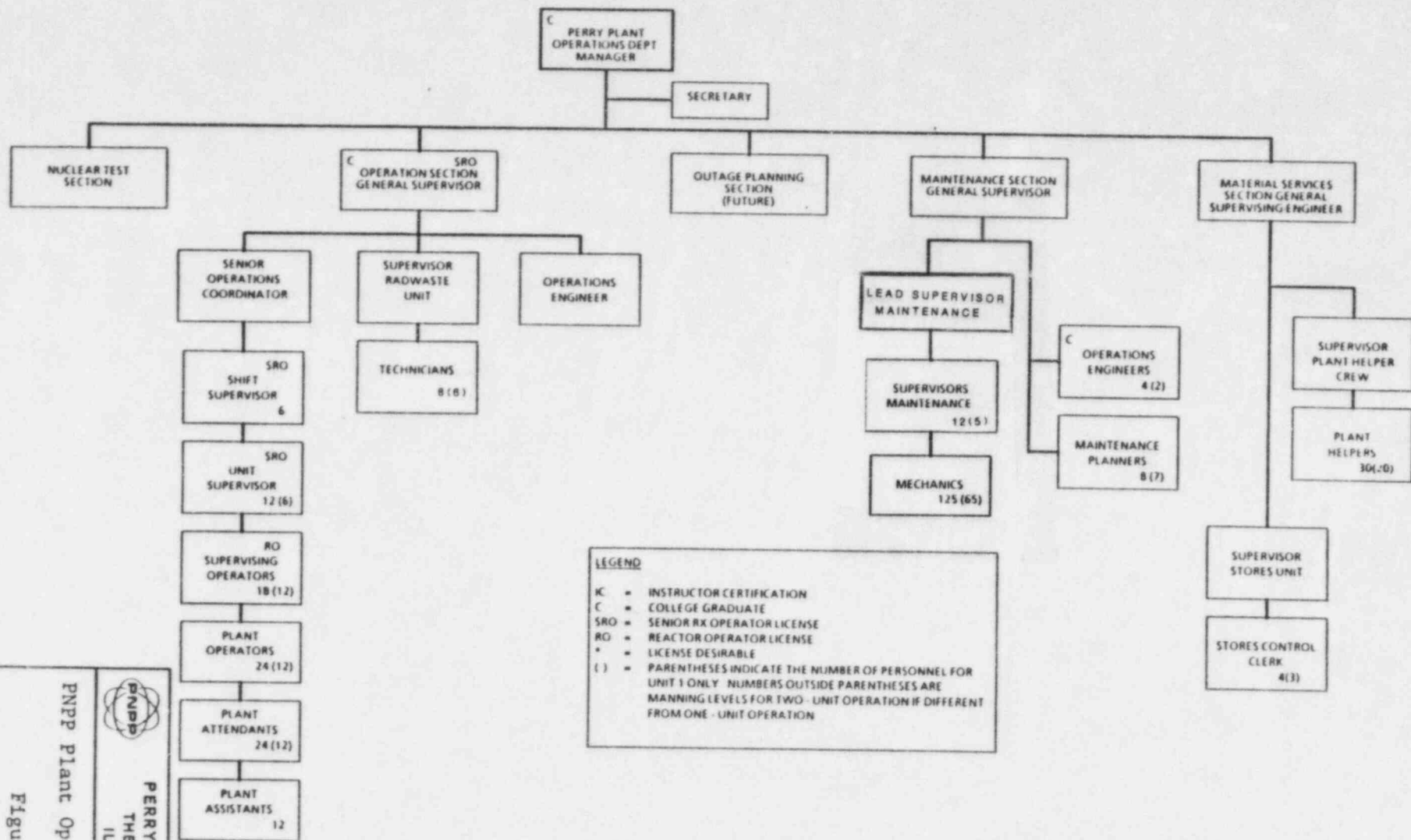
Experience:

1979 - Present: The Cleveland Electric Illuminating Company

Joined CEI as Senior Operations Engineering Assistant, assigned to Operations Section, Perry Plant Department. Activities included writing system descriptions, operating procedures, and alarm response procedures. Also responsible for preparation and presentation of system training to Operations Department personnel. In 1980, qualified as Senior Reactor Operator at Perry simulator and promoted to Supervising Operator. In 1981 promoted to present position of Unit Supervisor. Duties included normal shift routine during the pre-operational test program; 6 months as test coordinator during Integrated Flush and Reactor Hydro-static Test. Licensed SRO for Perry Unit 1 (SOP-30429) in 1985. Reports to Shift Supervisor, Operations Section.

1970 - 1979: U.S. Navy

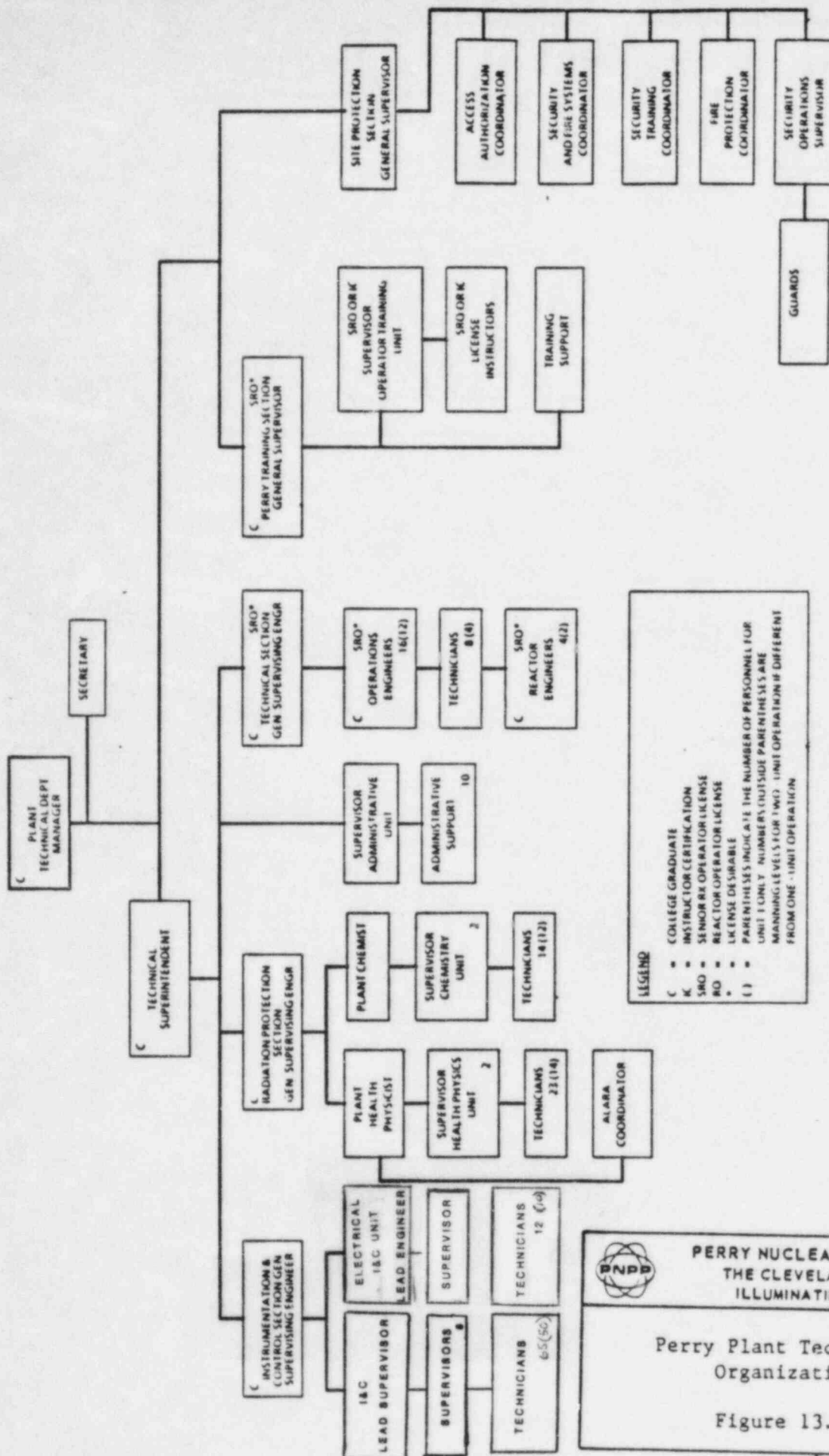
Machinist Mate - qualified under all mechanical watchstations including Engineering Watch Supervisor, Engine Room Supervisor, and Shutdown Roving Operator. Duties included supervision of, machinery division during operation and shipyard testing, all plant operators during operation and training, and preventive and corrective maintenance of machinery division personnel.




PERRY NUCLEAR POWER PLANT
THE CLEVELAND ELECTRIC
ILLUMINATING COMPANY

PNPP Plant Operations Organization

Figure 13.1-3




PERRY NUCLEAR POWER PLANT
 THE CLEVELAND ELECTRIC
 ILLUMINATING COMPANY

Perry Plant Technical
 Organization

Figure 13.1-4