PSE&G

The Energy People

CORPORATE CAPABILITIES

NUCLEAR GENERATING STATION
MANAGERIAL AND
PROFESSIONAL / TECHNICAL
SUPPORT

CORPORATE CAPABILITIES

NUCLEAR GENERATING STATION
MANAGERIAL AND
PROFESSIONAL / TECHNICAL
SUPPORT

RETURN TO REACTOR DOCKET
FILES

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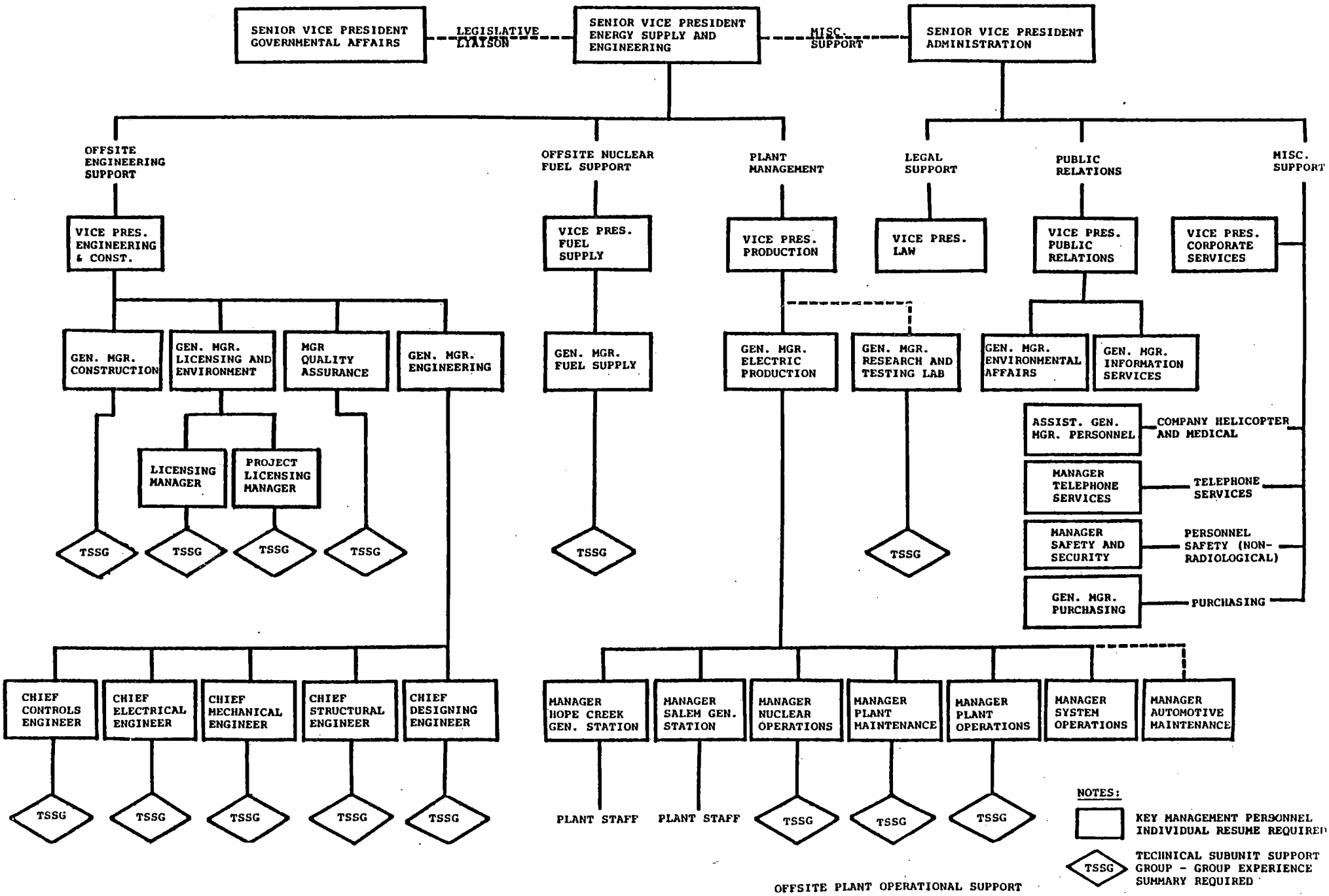
PSE&G MANAGEMENT AND TECHNICAL RESOURCES



TITLE	SENIOR VICE PRESIDENT - ENERGY SUPPLY AND ENGINEERING
INCUMBENT	R. M. Eckert

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Senior corporate officer in charge of production, engineering, construction and fuel supply. Responsibilities include the exercise of full direction, coordination and control of all activities in these areas. This includes the setting of priorities, establishing policies and providing overall guidance. Has overall corporate responsibility for all nuclear activities both for normal operation and for any necessary post-accident recovery activities. Reports directly to the President of the corporation and sits on the Senior Management Council of the corporation where policy and operating decisions receive top management approval.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

BS University of Louisville, 1952 - Mechanical Engineering

MS Union College, Schenectady, N.Y., Engineering

Advanced Management Program, Harvard University, 1978

2. **Other formal training (related management and technical training/schools)**

Oak Ridge School of Reactor Technology, 1957. This was followed by 1-1/2 years of practical experience at National Reactor Testing Station, Idaho Falls, Idaho.

INCUMBENT	R. M. Eckert

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

Following completion of Oak Ridge School of Reactor Technology, I spent 1-1/2 years at the National Reactor Testing Station in Idaho Falls, Idaho working primarily on the ETR and ETR Critical Facility. Following this, in 1958, I was active in the original evaluations and designs for nuclear facilities for the company. Ever since that time, I have been active in the engineering, design, construction and operation of nuclear plants.

3. Other related experience

Of the 24 years' experience with Public Service Electric and Gas Company, I have been directly involved in nuclear work for over 20 years. The involvement throughout my entire career has been in the engineering, design, construction, startup and operation of fossil and nuclear facilities.

TITLE	SENIOR VICE PRESIDENT-GOVERNMENTAL AFFAIRS
INCUMBENT	J.F. McDonald

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

My responsibility would lie in the area of cooperating with elected governmental officials on a local, State and Federal level with the primary purpose of keeping them informed of events as they take place. Further, I would probably be designated as the person to arrange for a response to inquiries received from these elected officials.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Fordham University - 1941
John Marshall Law School - 1948

2. Other formal training (related management and technical training/schools)

Admitted to the Bar of the State of New Jersey in 1948 and have been practicing since then as an attorney with Public Service Electric and Gas Company to the present time

INCUMBENT	J.F. McDonald

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

TITLE	SENIOR VICE PRESIDENT - ADMINISTRATION
INCUMBENT	R.W. Lockwood

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Senior Vice President - Administration, Reporting Function
- Vice President - Computer Systems and Services
- Vice President - Corporate Services (including Purchasing and Telephone)
- Vice President - Human Resources (including Medical)
- Vice President - Law
- Vice President - Public Relations (including Public Information and Environmental Affairs)

Exercises supervision over the Computer Systems and Services, Corporate Services, Human Resources, Law, and Public Relations Departments. Develops and implements broad policies and general procedures relating to the administrative services furnished by these departments. Would make all services and personnel under my direction available to ensure availability and reliability of administrative functions of these departments in the event of a TMI-2 type incident.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Mechanical Engg., Stevens Institute of Technology, 1951

2. Other formal training (related management and technical training/schools)

   Utility Executive Program, University of Michigan, 1963

   Advanced Management Program, Harvard, 1977

INCUMBENT	R.W. Lockwood

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   None

2. Other nuclear experience

   None

3. Other related experience

   Previously held position of General Manager - Environmental Affairs.

TITLE	VICE PRESIDENT - ENGINEERING & CONSTRUCTION
INCUMBENT	T.J. Martin

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Responsible for engineering, design, construction, licensing, and corporate quality assurance associated with new nuclear plant facilities and plant betterment and major modifications to existing plant facilities.

Direct the activities of the Engineering and Construction Department (E&CD) in providing the above services or by use of outside architect/engineers, constructors, or consultants. Authority to commit E&CD technical resources to support inside plant operating facilities and to contract for outside technical and consultant services to supplement E&CD efforts.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Bachelor of Science - Electrical Engineering (Power option)
   Lehigh University - 1949

2. Other formal training (related management and technical training/schools)

   Westinghouse Pressurized Water Reactors Nuclear Engineering Course

   Edison Electric Institute Graduate Management Course

   American Management Association Course

INCUMBENT	T. J. Martin

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Vice President - Engineering and Construction (Salem 1 and 2, Hope Creek 1 and 2, and Atlantic Units	2 years
General Manager - Construction	3 years
Assistant Manager - Engineering	3 years

2. Other nuclear experience

Chief Electrical Engineer - Engineering and design of electrical systems and equipment for nuclear units.	3 years
Asst. Chief Electrical Engineer - Studies and preliminary electrical engineering and electrical design for Salem Units.	3 years

Present Nuclear Standards Activities

IEEE Delegate - ANSI-Nuclear Standards Management Board (NSMB)

Vice Chairman - NSMB Planning Committee

Member - Edison Electric Institute Construction Committee

Member - IEEE Nuclear Power Engineering Committee

Past Nuclear Standards Activities

Member - IEEE Standards Board	1977-1979
Chairman - IEEE Nuclear Power Engineering Committee	1974-1976
Vice Chairman - IEEE Nuclear Power Engineering Committee (formerly the Joint Committee on Nuclear Power Standards)	1970-1973
Member - IEEE Power Generation Committee	1956-1972

3. Other related experience

Electrical engineering and electrical design of fossil units, switching and substations.	15 years

TITLE	GENERAL MANAGER - CONSTRUCTION
INCUMBENT	E.C. Logan

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Provide field construction supervision and management for all Engineering and Construction work associated with the nuclear power plants. Administer construction management, labor, and labor material contracts. In the event of a TMI-2 type incident, would allocate the manpower and mechanical resources of the Construction Department to assist, as required, the plant staff.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S.-Mechanical Engineering
Worcester Polytechnic Institute, 1944

2. Other formal training (related management and technical training/schools)

Public Utility Executive Program
University of Michigan

1979 Electric Utility Engineering Conference
Westinghouse

LNG Fundamentals
I.G.T.

Engineering Economics

INCUMBENT	E.C. Logan

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Since July 1, 1977, General Manager - Construction Department with overall responsibility for construction of Engineering and Construction work for the PSE&G nuclear units.

2. Other nuclear experience

3. Other related experience

Twenty five years design, engineering, construction and management experience related to the gas industry including pipelines, SNG plants and LPG and LNG facilities.

SUBUNIT SUPPORT GROUP	Construction Department
RESPONSE COORDINATOR	E.C. Logan

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	115

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	3	1	
Chemical Engineering			
Mechanical Engineering	13	3	
Nuclear Engineering			
Civil Engineering	9	2	
Electrical Engineering	12		
Science Major			
Other (specify)			
Industrial Engg.	3	1	
Marine Engg.	1		
Business Admin.	9	3	
Education	3		

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING	138		84
ELECTRICAL ENGINEERING	58		629
STRUCTURAL ENGINEERING	65		342
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING	6		
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL	16		
QUALITY ASSURANCE			
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING	25		
TRAINING			
OTHER (SPECIFY) Safety & Security	7		3
TOTAL EXPERIENCE	315		1108

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	315
ENGINEERING MANAGEMENT	(MAN-YEARS)	106
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	1423

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING	138		84
ELECTRICAL ENGINEERING	58		629
STRUCTURAL ENGINEERING	65		342
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING	6		
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL	16		
QUALITY ASSURANCE			
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING	25		
TRAINING			
OTHER (SPECIFY) Safety & Security	7		3
TOTAL EXPERIENCE	315		1108

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	315
ENGINEERING MANAGEMENT	(MAN-YEARS)	106
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	1423

TITLE	GENERAL MANAGER - LICENSING AND ENVIRONMENT
INCUMBENT	R.L. Mittl

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Overall management of activities associated with assessment of off-site radiological releases and impact; analysis and interpretation of in-plant radiation levels for input to evaluation of system, equipment and core status; and licensing and safety evaluation for plant modifications in recovery phase. Have authority to retain services of organizations and/or individuals and procure equipment related to above responsibilities.

In addition, serves in an advisory capacity to management.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   1954 - Mech. Engg, Stevens Institute of Technology
   1958 - Master of Science in Nuclear Science, Carnegie Institute of Technology

2. **Other formal training (related management and technical training/schools)**

   1958 - Oak Ridge School of Reactor Technology (AEC)
   1972 - American Management Association

INCUMBENT	R.L. Mittl

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Supervisory and Managerial involvement in design, construction, safety evaluation and review, and licensing of Salem Nuclear Generating Station and all other PSE&G nuclear projects since mid-1960's.

Salem Nuclear Review Board member since 1972.

2. Other nuclear experience

*Experimental Boiling Water Reactor (ANL) 1958-1960
Operations
Refueling
Testing & Experiments

*HTGR (General Atomic) 1960-1962
40 mwe (Peach Bottom))helium purification
Large HTGR Development)steam generators
)nuclear plant arrangement

Fuel Cycle - performed and/or supervised performance of all PSE&G nuclear fuel cycle studies and evaluations in period 1964-1974

Atomic Power Development Associates, Inc.
Enrico Fermi Atomic Power Plant (fast breeder)
-member of Technical and Engineering Committee - 1964-1971

EPRI Nuclear Division Advisory Committee
member 1973-1977

*On-loan assignment from PSE&G

3. Other related experience

Fossil plant training - 1954 (6 months)
Operations
Maintenance
Testing

Piping erection supervisor, field - 1956
large high pressure & temperature oil-fired unit

Chief Mechanical Engineer - Mech. Engg. Div., 1971-1972
fossil units
gas turbines
piping and metallurgy
quality assurance

Utility experience with PSE&G - 25 years

TITLE	LICENSING MANAGER
INCUMBENT	R. P. Douglas

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

My prime responsibility would be to manage the assessment of the offsite radiological impact of any gaseous and liquid radioactivity releases after my arrival at the site. Members of my technical staff would perform computerized evaluation of projected offsite radiological exposures under my direction. On the basis on these evaluations, recommendations would be made to the States of New Jersey and Delaware on the potential need for any off-site evacuation of the general public. I would also make recommendations on where radiation survey teams should be sent to measure the extend and level of any radioactive plume released from the plant. I would manage the collection and analyses of of environmental samples (water, milk, crops, fish, etc.) so that actual pathway exposures could be assessed.

(Continued on Attachment)

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**
   BSME, Cooper Union, 1964
   SM Nuclear Engineering, MIT, 1966
   Degree of Nuclear Engineer, MIT, 1967

2. **Other formal training (related management and technical training/schools)**
   "Planning For Nuclear Emergencies, Harvard School of Public Health (May, 1975).

   Westinghouse Executive Media Orientation Course, Center for Public Broadcasting, New York, New York (June 1979 - included training in crisis management).

   Licensed professional engineer in New Jersey.

INCUMBENT	R. P. Douglas

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

I have been directly involved with and responsible for the radiological safety analyses of all PSE&G nuclear facilities (Salem, Hope Creek, Atlantic) since 1967. (Continued on Attachment)

2. Other nuclear experience

(See attached resume)

In addition to indicated experience, my Master's thesis at MIT was entitled "Thermal Study of the MIT Reactor Power Level Increase Two to Five Megawatts". I was directly involved in the day to day operations of the reactor including making various measurements of changes in reactor parameters with power level increase.

3.

Functions, responsibilities, authority (continued)

I would also participate in the assessment of in-plant radiation levels including determination of extent of core damage based on available sample analysis and/or direct radiation levels outside containment. I would participate in the assessment of build up of radioactivity in system components such as filters, demineralizers, waste storage tanks, etc.

Directly related nuclear experience (continued

I am directly familiar with radiological source terms in the reactor core, residual heat removal systems after an accident, primary coolant, secondary side and activity levels in various plant systems and components. I have used and am familiar with various dose assessment computer codes that are recommended for use by NRC.

Codes such as GASPAR, LADTAP and others are programmed on our in-house computers and are accessible 24 hours/day to be utilized in emergency situations. Public Service Electric & Gas has performed under my direction and submitted to the NRC its own Appendix I to 10 CFR 50 evaluations. I have been actively involved with the development of the State of New Jersey's Emergency Plan for Nuclear Facilities and portions of the Salem Station's Emergency Procedures manual.

I have interfaced with the New Jersey Bureau of Radiation Protection and the New Jersey and Delaware Civil Defense organizations who would have responsibility for carrying out any decisions made to evacuate the general public. The dose calculation models used by Station personnel to evaluate off site exposures of accident releases were developed under my direction.

I have been directly involved with and have management responsibility for the meteorological data collection program at the Artificial Island site. I have performed and am familiar with the calculation of atmospheric dispersion factors.

The shielding design of the Salem Station was performed under my guidance and direction. As a result, I am familiar with radiation levels in the Station under normal operation conditions and under design basis accident conditions. I have performed calculations for radiation levels in the environment and the Auxiliary and Fuel Handling buildings from accident airborn activity in the containment (direct radiation).

I have followed closely the development of the NRC's Liquid Pathway Generic Study and am familiar withdegraded accident source terms and potential off site impacts.

The off-site environmental radiation monitoring program has been carried out under my direction since 1972. I am familiar with monitoring station locations and the measurement of various pathway radiation levels (cow's milk, marine life, crops).

RPD:kd

SUBUNIT SUPPORT GROUP	Licensing
RESPONSE COORDINATOR	R.P. Douglas

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
23	14

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	-	-	-
Chemical Engineering	1	-	-
Mechanical Engineering	3	-	-
Nuclear Engineering	-	3	-
Civil Engineering	2	1	-
Electrical Engineering	-	-	-
Science Major	4	2	-
Other (specify)			
Physics	2	-	-
Environmental Engg.	-	2	-
Ocean Engineering	1	-	-
Petroleum Engineering	1	-	-
Business Administration		1	

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING*	19½	-	-
MECHANICAL ENGINEERING	1½	-	9½
ELECTRICAL ENGINEERING	-	-	-
CIVIL ~~STRUCTURAL~~ ENGINEERING	13	-	8
CHEMICAL ENGINEERING	-	-	1½
METALLURGICAL ENGINEERING	½	-	2
THERMAL/HYDRAULIC ENGINEERING	1½	½	3¼
MATERIALS ENGINEERING	-	-	-
REACTOR PHYSICS	-	-	-
HEALTH PHYSICS**	-	-	-
PLANT CHEMISTRY	¼	½	6
RADIOCHEMISTRY	-	-	-
PLANT OPERATION	-	-	2½
PLANT MAINTENANCE	-	-	-
INSTRUMENTATION & CONTROL	2 3/4	-	-
QUALITY ASSURANCE	-	-	-
PLANT PERFORMANCE	-	-	-
NUCLEAR FUEL SUPPLY & ANALYSIS	-	-	-
CONTROLS ENGINEERING	-	-	-
TRAINING	-	-	-
OTHER (SPECIFY) (See Attached)			
TOTAL EXPERIENCE	81 3/4	2¼	49½

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	83¼
ENGINEERING MANAGEMENT	(MAN-YEARS)	16
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	60½

*Includes Safety Analysis

**Does not include radiological analysis, shielding design, emergency planning (see attached)

OTHER CATEGORIES

CATEGORY	FULL TIME NUCLEAR EXPERIENCE	PART TIME NUCLEAR EXPERIENCE	OTHER RELATED EXPERIENCE
Licensing/Regulation/Siting	4½	-	2½
Radiological Analysis (Shielding design)			
Emergency Planning	11	-	-
Probablistic Analysis	1	-	-
Atmospheric Dispersion Analysis	2½	-	-
Environmental Studies/Analyses	23 3/4	1¼	13¼

RPD:kd

TITLE	PROJECT LICENSING MANAGER
INCUMBENT	E. A. LIDEN

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

This position would act in an advisory capacity in support of the recovery effort. More specifically, this would include coordination of licensing activities with Regulatory Agencies, particularly in the areas of design modifications, analyses and technical specifications.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**
   Bachelor of Marine Engineering, State University of New York Maritime College, 1963.

2. **Other formal training (related management and technical training/schools)**
   PSE&G Management Skills Program
   MIT Reactor Safety Course
   USPHS Management of Radiation Accidents Course
   SRO License - Saxton Reactor Facility
   Shift Test Engineer - A2W and C1W Naval Nuclear Plants
   U. S. Coast Guard License - Third Assistant Engineer

INCUMBENT	E. A. LIDEN

EXPERIENCE

Project Licensing Manager, Public Service Electric & Gas Company, 80 Park Place, Newark, N. J. 07101, 1970 to present

Responsible for all licensing activities pertaining to design, construction, testing and initial operation of The Salem Nuclear Generating Station. Managed and coordinated preparation of the Final Safety Analysis Report, including performing technical review of the material, editing and publishing. Represents the Company at technical review meetings with the Nuclear Regulatory Commission - Office of Nuclear Reactor Regulation during the course of the operating license application review. Coordinate functional engineering personnel and provide technical guidance for resolution of licensing problems. Prepared plant Technical Specifications and contributed to the preparation of Environmental Reports, Emergency Plans and Environmental Technical Specifications.

Supervisor of Reactor Plant Services, Saxton Nuclear Experimental Corporation (Metropolitan Edison Company, P. O. Box 542, Reading, Pennsylvania), 1967 to 1970.

Department head at a small PWR nuclear power plant. Responsible for reactor plant radiation protection and control, plant water chemistry and radiochemistry, and maintenance of all reactor plant equipment, instrumentation and controls. Also responsible for all nuclear fuel handling operations, including shipping and receiving of new and spent fuel, core loading and radioactive waste disposal. Held NRC Senior Reactor Operator license, was instrumental in licensing effort required for new core and upgrading of emergency core cooling systems. Was extensively involved in training of personnel for Reactor Operator license examinations.

Associate Staff Engineer, HWOCR Project, Combustion Engineering, Inc. P. O. Box 500, Windsor, Connecticut 06095, 1966 to 1967.

Responsible for development and testing of reactor pressure tube components. This included design and construction of test loops, preparation of test plans and procedures, supervision of testing and analysis of test data.

INCUMBENT	E. A. LIDEN

EXPERIENCE

Shift Test Engineer, Newport News Shipbuilding & Dry Dock Co., 4200 Washington Avenue, Newport News, Virginia 23601, 1963 to 1966.

Certified by NRC - Naval Reactors as Shift Test Engineer. Supervised refueling, overhaul and testing of two of the A2W reactors on the USS Enterprise, and one of the C1W reactors on the USS Long Beach.

Mechanical Test Engineer

Duties consisted of conducting fluid system hydrostatic tests and cold and hot functional tests on S5W submarine reactor plants.

Job Engineer.

Provided design and technical coverage as the Yard's representative during a period when the Yard was involved in modifications to the nuclear propulsion plants on the USS Enterprise.

Third Assistant Engineer, Military Sea Transportation Service, U. S. Army Terminal, 58th Street and 1st Avenue, Brooklyn, New York 1963

Held U. S. Coast Guard license as Third Assistant Engineer on steam and motor vessels of unlimited horsepower. Served aboard the USNS Upshur as a watch engineer. Responsible for operating the ship's propulsion machinery.

SUBUNIT SUPPORT GROUP	PROJECT LICENSING
RESPONSE COORDINATOR	E. A. LIDEN

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
1	1

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PHD
GENERAL ENGINEERING			
CHEMICAL ENGINEERING			
MECHANICAL ENGINEERING			
NUCLEAR ENGINEERING			
CIVIL ENGINEERING			
ELECTRICAL ENGINEERING	1		
SCIENCE MAJOR			
OTHER (SPECIFY)			

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING			
ELECTRICAL ENGINEERING	3		1
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE			
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
TRAINING			
Project Coordination	1		
Nuclear Plant Startup	1		
Nuclear Plant Licensing	3		
TOTAL EXPERIENCE	8		1

TITLE	MANAGER - QUALITY ASSURANCE
INCUMBENT	EDWARD N. SCHWALJE

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Direct and administer the personnel and technical activities of the corporate Quality Department. Responsible for maintaining the corporate quality assurance manual which identifies those functions and controls which must be included in the various departments' policies, procedures, and instructions to assure compliance with the corporate QA program commitments. Have the organizational freedom and authority to assure compliance with QA program and report to upper management through the Vice President - Engineering and Construction.

In the event of an emergency, have the authority to commit the Quality Assurance personnel resources to provide technical support to station operating staff as required.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   Newark College of Engineering, BSME, 1941

2. **Other formal training (related management and technical training/schools)**

   USN Training - Dartmouth College Naval Officers Training - 1942
   Naval Mine Warfare School, Yorktown, Va. - 1944
   General Electric BWR Simulator Facility, Morris, Ill. - 1971
   American Management Association Course - 1975
   Problem Analysis and Effective Communication - 1976

INCUMBENT	E.N. Schwalje

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

8 years - Manager - Quality Assurance - Nuclear Plant Design, Construction and Operation

2. Other nuclear experience

3 years - Engineering Department - Nuclear Plant Design and Construction, Instrumentation and Control Systems

7 years - Member of Edison Electric Institute Quality Assurance Task Force, 1972 to present - Chairman, Methods and Procedures Subcommittee - Member, Executive Committee

3. Other related experience

4 years - Engineering Officer USNR - Naval Mine Warfare - Maintenance and Repair, Vessels and Mine Sweep Gear

4 years - Electric Production Fossil Plants - Instrumentation and Control - Maintenance and Repair, Plant Performance Evaluation

18 years - Engineering Department Fossil Plants - Mechanical Design and Construction, Design of Instrumentation and Control Systems

SUBUNIT SUPPORT GROUP	Quality Assurance Department 7/25/79
RESPONSE COORDINATOR	E.N. Schwalje

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
55	51

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PHD
GENERAL ENGINEERING	5	2	
CHEMICAL ENGINEERING	1		
MECHANICAL ENGINEERING	7	1	
NUCLEAR ENGINEERING	1		
CIVIL ENGINEERING	2		
ELECTRICAL ENGINEERING	7		
SCIENCE MAJOR	6		
OTHER (SPECIFY)			
Business	4	2	
Economics	1		
Indust. Engg.	1		
Applied Math		1	
Education (Science)		1	

3. TECHNICAL EXPERIENCE (IN MAN-YEARS) Quality Assurance Department 7/25/79

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING	6	1	
MECHANICAL ENGINEERING	3	14	70.5
ELECTRICAL ENGINEERING		1	84
STRUCTURAL ENGINEERING		4	28
CHEMICAL ENGINEERING	2		8
METALLURGICAL ENGINEERING		1	10
THERMAL/HYDRAULIC ENGINEERING			1
MATERIALS ENGINEERING			14
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY	4		
PLANT OPERATION	6.7		12
PLANT MAINTENANCE	1		21.5
INSTRUMENTATION & CONTROL	8		14.5
QUALITY ASSURANCE	268	21	303.5
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS	4.5		
CONTROLS ENGINEERING			
TRAINING	7		12.5
Other (Specify)			
Production Engg.			3
Electronic Engg.			3
Reliability Engg.			14
TOTAL EXPERIENCE	310.2	42	599.5

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	375
ENGINEERING MANAGEMENT	(MAN-YEARS)	125
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	450

TITLE	GENERAL MANAGER - ENGINEERING
INCUMBENT	R. R. BAST

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Responsible for direction of the five Engineering Department divisions which perform all engineering and design activities for Public Service inside plant facilities. Authority to commit and direct Engineering Department personnel to provide technical support to the operating department as needed in the event of an emergency.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   BSEE - Lehigh University - 1950

2. **Other formal training (related management and technical training/schools)**

   General Electric Power Systems Engineering Course - 1955.
   Westinghouse Nuclear Power Generation Course.
   AMA Advanced Management Course.

INCUMBENT	R. R. BAST

EXPERIENCE

1. **Directly related nuclear** (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Five years as General Manager - Engineering. Direct PS engineering activities including design of Salem Generating Station in-house, and direction of an outside architect-engineering firm in the design of Hope Creek Generating Station. Was involved in directing PS engineering review and approval of design of Atlantic Generating Station until the project was cancelled.

2. **Other nuclear experience**

Three years as PS Chief Electrical Engineer and three years Assistant Chief Electrical Engineer, including design of the electrical portion of Salem Generating Station.

3. **Other related experience**

Eighteen years involvement in the PS Electrical Division, including design, specification, and procurement of electrical equipment for generating and switching stations, and system engineering for the Company.

I have served on national technical committees as follows: IEEE Transformer Committee, 10 years; ANSI Transformer Committee, present member (4 years); IEEE Rotating Machinery Committee, 8 years. I am presently a member of the EEI Electric System and Equipment Committee and serving as chairman of the Equipment Trouble Reporting Subcommittee.

TITLE	CHIEF CONTROLS ENGINEER
INCUMBENT	F.A. Christiana

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

The functions, responsibilities and authority of the Chief Controls Engineer will consist of assigning specific engineering responsibilities and providing general technical guidance to Controls Division personnel.

In the event of an emergency situation, would commit the manpower and technical reources of Controls Division to analysis and recovery operations as needed.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   BEE, Cornell University, 1949

2. Other formal training (related management and technical training/schools)

   Advanced Management Course
   Westinghouse Electric Utility Engineering Course
   Westinghouse Nuclear Power Seminar

INCUMBENT	F.A. Christiana

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

General management of Controls Division personnel

2. Other nuclear experience

10 years of part-time nuclear experience involving general supervision of controls engineering studies, design, specifications, evaluation and procurement activities for Salem, Hope Creek and Atlantic nuclear power plants.

3. Other related experience

17 years of electrical engineering experience involving substations and generating stations

SUBUNIT SUPPORT GROUP	Controls Division
RESPONSE COORDINATOR	F. A. Christiana

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
_____	40

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	2	1	
Chemical Engineering	0	0	
Mechanical Engineering	9	2	
Nuclear Engineering	0	0	
Civil Engineering	0	0	
Electrical Engineering	22	3	
Science Major	5	4	
Other (specify)			
Business Administration	1	0	

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR Plant Sys. Eng.	13		
MECHANICAL ENGINEERING			26
ELECTRICAL ENGINEERING			63
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			2
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			8
INSTRUMENTATION & CONTROL	33		36
QUALITY ASSURANCE	13		5
PLANT PERFORMANCE			4
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING	121	35	149
TRAINING			
OTHER (SPECIFY)			
TOTAL EXPERIENCE	180	35	293

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	215
ENGINEERING MANAGEMENT	(MAN-YEARS)	94
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	419

TITLE	CHIEF ELECTRICAL ENGINEER
INCUMBENT	G.W. Supplee

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

1) Function as the administrative and technical head of the Electrical Division.

2) Responsibilities include all electrical engineering for fossil and nuclear generating stations, switching stations, substations and other inside plant facilities.

3) In the event of TMI-2 type situation - would be responsible for providing technical assistance, liaison and procurement of electrical equipment in the electrical area. This would include assignment of electrical engineers to the field location as required.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Bachelor of Electrical Engineering
Cornell University - 1949

2. Other formal training (related management and technical training/schools)

G.E. Power Systems Engineering Course	-	1958
Nuclear Training Course B&W	-	1972
Management Course - Rutgers University	-	1975

INCUMBENT	G.W. Supplee

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Chief Electrical Engineer (5) years with direct responsibilities for electrical engineering on nuclear generating stations.

2. Other nuclear experience

As Assistant Chief Electrical Engineer (3) years experience on Salem & Newbold Island (Now Hope Creek) design.

As Assistant Project Manager (2) years experience on Atlantic design.

3. Other related experience

A total of (30) years experience involving electrical engineering on fossil plants, switching stations and substations.

SUBUNIT SUPPORT GROUP	Electrical Division
RESPONSE COORDINATOR	G.W. Supplee

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	47

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	3		
Chemical Engineering			
Mechanical Engineering	1		
Nuclear Engineering			
Civil Engineering			
Electrical Engineering	39	9	
Science Major			
Other (specify)			
Masters - Business Administration		3	

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING MECHANICAL ENGINEERING ELECTRICAL ENGINEERING STRUCTURAL ENGINEERING CHEMICAL ENGINEERING METALLURGICAL ENGINEERING THERMAL/HYDRAULIC ENGINEERING MATERIALS ENGINEERING REACTOR PHYSICS HEALTH PHYSICS PLANT CHEMISTRY RADIOCHEMISTRY PLANT OPERATION PLANT MAINTENANCE INSTRUMENTATION & CONTROL QUALITY ASSURANCE PLANT PERFORMANCE NUCLEAR FUEL SUPPLY & ANALYSIS CONTROLS ENGINEERING TRAINING OTHER (SPECIFY)	112	149	522
TOTAL EXPERIENCE	112	149	522

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	261
ENGINEERING MANAGEMENT	(MAN-YEARS)	90
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	782

TITLE	CHIEF MECHANICAL ENGINEER
INCUMBENT	R.D. Rippe

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

As Chief Mechanical Engineer, I am responsible for the management of the Mechanical Division, consisting of approximately 140 professional, technical and clerical employees, who perform the mechanical engineering for all nuclear, fossil and gas facilities of the Company. These personnel have capabilities in the areas of nuclear engineering, heat transfer, fluid flow, water chemistry, welding and metallurgy, pumps, piping, valves and heat exchange and have participated in the design of the Salem Station. I direct the activities of the division through five Assistant Chief Mechanical Engineers and ten Group Heads who have the direct responsibility for the activities of these personnel. In the event of an emergency, I have the authority to assemble and direct these personnel as required to provide needed technical support.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.M.E. Cornell University - 1952

2. Other formal training (related management and technical training/schools)

   Elements of Nuclear Power Reactor Engineering
   University of Michigan - 1966

   Modern Business Course - Alexander Hamilton Institute - 1963

   Executive Management Program - Penn State University - 1973

INCUMBENT	R.D. Rippe

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

I have been directly involved with engineering and design of the Salem Station since preliminary studies in 1966. I prepared the initial PSAR, headed the original NSSS Group during preliminary design, and have headed the Mechanical Division during the construction and start up of the station.

2. Other nuclear experience

I served two years as Project Manager of the Newbold Island (presently Hope Creek) Generating Station and presently serve on the following industry wide nuclear committees:

1. Vice Chairman - ASME Nuclear Engineering Division
2. EEI Nuclear Power Subcommittee
3. EPRI Nuclear Divisional Committee

In addition, I have served as chairman of ANS 56.3 and a member of ANS 45.3.2.

3. Other related experience

Prior to entering the nuclear field, I spent a number of years in the design, engineering and start up of fossil steam generating units and auxiliary equipment.

SUBUNIT SUPPORT GROUP	Mechanical Division
RESPONSE COORDINATOR	R.D. Rippe

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	94

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	2	2	
Chemical Engineering	1	1	
Mechanical Engineering	72	19	
Nuclear Engineering	3		
Civil Engineering	3	1	
Electrical Engineering	1		
Science Major	3		
Other (specify)			
Metallurgical Engineering	3		
Industrial Engineering	1		
Management		7	
Total	89	30	

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING	70		
MECHANICAL ENGINEERING	104	205	840
ELECTRICAL ENGINEERING			
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING	4	1	65
METALLURGICAL ENGINEERING	7	27	44
THERMAL/HYDRAULIC ENGINEERING	1	17	93
MATERIALS ENGINEERING	5	10	8
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE	9		
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING			
TRAINING			
OTHER (SPECIFY)			
TOTAL EXPERIENCE	200	260	1050

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	460
ENGINEERING MANAGEMENT	(MAN-YEARS)	120
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	980

TITLE	CHIEF STRUCTURAL ENGINEER
INCUMBENT	R.A. Auld

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

In my capacity as Chief Structural Engineer, I would assign and delegate responsibility to members of my staff to advise and assist in the solution of any problems involving the containment, structures or structural members which would arise as a result of the postulated accident.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   Newark College of Engineering BS in Mech. Eng. 1942

2. **Other formal training (related management and technical training/schools)**

   Hold Professional Engineers License (N.J.)

INCUMBENT	R. A. Auld

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

I have 10 years experience in the structural engineering portion of the design of Salem Nuclear Generating Station.

2. Other nuclear experience

I have one year of experience in the structural design of the Atlantic Generating Station.

3. Other related experience

Have 20 years experience in all phases of structural engineering on Switching Stations and Fossil Generating Stations.

SUBUNIT SUPPORT GROUP	Structural Division
RESPONSE COORDINATOR	R. A. Auld

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
_____	20

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering			
Chemical Engineering			
Mechanical Engineering	1		
Nuclear Engineering			
Civil Engineering	16	5	0
Electrical Engineering			
Science Major			
Other (specify)			

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING			
ELECTRICAL ENGINEERING			
STRUCTURAL ENGINEERING	85		223
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE			
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING			
TRAINING			
OTHER (SPECIFY)			
TOTAL EXPERIENCE	85		223

4. SUMMARY

NUCLEAR POWER FIELD (MAN-YEARS) 85

ENGINEERING MANAGEMENT (MAN-YEARS) 40

TOTAL UTILITY EXPERIENCE (MAN-YEARS) 285

TITLE	CHIEF DESIGNING ENGINEER
INCUMBENT	J.J. Krauth

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

The functional & administrative head of the Design Division, E&C Department.

Responsible for the technical & administrative direction of the division with major emphasis on:

1. Total design & drafting effort including construction locations for the department.
2. Maintenance & security of all engineering tracings, vendors' drawings, microfilm files and the reproduction effort for the department.

Authority to commit Design Division personnel with appropriate expertise to support plant staff in the event of a TMI-2 type incident.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B.S. Civil Engineering - N.J.I.T. 1958

2. **Other formal training (related management and technical training/schools)**

   Associate Degreee Mech. Engineering - N.J.I.T. 1950

   Nuclear Power Generation - Westinghouse

   Management Training - Rutgers University

INCUMBENT	J.J. Krauth

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Total knowledge in design information systems retrieval, reproduction, storage. Analytical ability to assess the situation and make proper selection for assignments of division personnel with expertise for specific tasks.

2. Other nuclear experience

Overall knowledge of the various engineering disciplines, systems, equipment and structures associated with power generation.

3. Other related experience

Total of more than 39 years of various engineering experience with almost 27 years in the electric power generation field.

SUBUNIT SUPPORT GROUP	Design Division
RESPONSE COORDINATOR	J.J. Krauth

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	160

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	3		
Chemical Engineering			
Mechanical Engineering	3		
Nuclear Engineering			
Civil Engineering	16	6	
Electrical Engineering	12	2	
Science Major			
Other (specify)			

3. TECHNICAL EXPERIENCE (IN MAN-YEARS) *

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING	458	28	748
ELECTRICAL ENGINEERING	253	5	559
STRUCTURAL ENGINEERING	91	51	492
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			
PLANT MAINTENANCE			
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE			
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING	235	15	572
TRAINING			
OTHER (SPECIFY)			
TOTAL EXPERIENCE	1037	99	2371

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	1136
ENGINEERING MANAGEMENT	(MAN-YEARS)	59
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	2446

* DESIGN ENGINEERING

TITLE	VICE PRESIDENT - FUEL SUPPLY
INCUMBENT	R.M. Crockett

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

To mobilize and direct the resources of the Fuel Supply Department to provide offsite nuclear fuel support. Responsibilities of the nuclear subgroup include uranium procurement contracting and scheduling of uranium conversion, enrichment and fabrication of fuel assemblies, technical, and economic analyses of fuel design and in core fuel analysis.

Authority to assign technical staff to assist in core analysis and other fuel related considerations in the event of an emergency at a nuclear plant.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S. in Chemical Engineering - Pennsylvania State University 1947

   M.S. in Industrial Management - Stevens Institute of Technology 1957

2. Other formal training (related management and technical training/schools)

   University of Michigan - Utility Executive Program
   Within Company - Various courses in management techniques and technical subjects.

INCUMBENT	R. M. Crockett

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Overall responsibility for nuclear fuel management for PSE&G reactors.

2. Other nuclear experience

Experience in uranium procurement, associated fuel cycle services, planning and strategy formulation.

3. Other related experience

Has held various positions of responsibility relating to and responsible for the operation of production facilities, planning and engineering relating to the needs of the Company's gas system, the negotiation of contracts for the purchase of natural gas, propane, kerosence, naphtha, liquefied natural gas, coal, oil, and nuclear fuel and various transportation contracts. Has testified on behalf of PSE&G before Congressional Committees, various governmental agencies including the Federal Power Commission, Federal Energy Regulatory Agency, and the New Jersey Board of Public Utilities on fuel related topics. Assumed present position of Vice President - Fuel Supply in 1974.

TITLE	GENERAL MANAGER - FUEL SUPPLY
INCUMBENT	RICHARD A. UDERITZ

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

To mobilize and direct the resources of the Fuel Supply Department nuclear fuel support groups under the General Manager - Fuel Supply to provide technical support. These groups would provide fuel related analytical analysis and provide support in the supply and economic areas. Corporate authority resides with the General Manager - Fuel Supply to manage the performance of these responsibilities.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S. in Industrial Distribution, Clarkson 1958.
Additional courses at:
- Seton Hall - management courses leading to an MBA
- Rutgers University - Continuing Education Program courses in engineering and computer science subjects

2. Other formal training (related management and technical training/schools)

Nuclear
- NUS - Nuclear Fuel Management Workshop
- General Electric - BWR Fuel Conference
- Westinghouse - Study Program, Nuclear Plant Operations
- Westinghouse - PWR Fuel Conference
- ASME - Elements of Nuclear Engineering

Management
- University of Michigan - Utility Executive Program
- Consultant - Industrial Labor Relations Program
- Within Company - Miscellaneous courses including management and technical subjects

INCUMBENT	R.A. Uderitz

EXPERIENCE

1. **Directly related nuclear** (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Manage nuclear fuel groups comprised of technical personnel and participate in the supply of uranium, processing into fuel assemblies, shipment expediting, technical, supply and economic analysis of fuel design, fuel monitoring, and related physical-nuclear engineering considerations.

2. **Other nuclear experience**

In prior positions participated in nuclear generating station staffing, plant organization, maintenance concerns, and other general office plant management direction.

3. **Other related experience**

Held positions of responsibility in electric generating plant operation and maintenance including direction of operation in two plants of 440MW and 750MW capacity. Responsible for all maintenance, both mechanical and electrical of turbine generators, boilers, heat exchangers, pumps, motors, etc. at two plants. Responded to emergency situations, provided solutions, and directed response to operate safely large central station electric generating units ranging in size to 350MW.

Responsible for planning and management of a central maintenance facility for the electric generation department. This employed skilled workmen to repair gas turbine engines and power plant equipment.

Holds Grade 1-A, Gold Seal, Stationary Engineers License, State of New Jersey.

SUBUNIT SUPPORT GROUP	Fuel Supply Department
RESPONSE COORDINATOR	R.A. Uderitz

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
16	13

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering			
Chemical Engineering	1	1	
Mechanical Engineering	1		
Nuclear Engineering	1+1(a)	3	(b)
Civil Engineering			
Electrical Engineering	1(a)		
Science Major			
Other (specify) Physics		1	
Chemistry	1		
Engr. Physics	1		
Metallurgical & Min.Engr.	1		
Business Administ.	1	1	
Industrial Mgmt.		1	

(a) Degree requirements to be completed in 1980

(b) Three members have completed course work requirements for PhD

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING	14	2.5	
MECHANICAL ENGINEERING			
ELECTRICAL ENGINEERING			
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING			2
METALLURGICAL ENGINEERING	4		4
THERMAL/HYDRAULIC ENGINEERING	6.5	2.25	
MATERIALS ENGINEERING	2		1
REACTOR PHYSICS	18	1.75	
HEALTH PHYSICS		1	
PLANT CHEMISTRY			5.75
RADIOCHEMISTRY		2	
PLANT OPERATION	1	3.5	2
PLANT MAINTENANCE			3
INSTRUMENTATION & CONTROL			5
QUALITY ASSURANCE	4	0.5	2
PLANT PERFORMANCE	1	0.5	3.25
NUCLEAR FUEL SUPPLY & ANALYSIS	32	1.5	
TRAINING	1	2.5	
OTHER (SPECIFY) Navy Nuclear Prog.			4
Computer Systems Analysis	2		
TOTAL EXPERIENCE	85.5	18.0	32.0

TITLE	VICE PRESIDENT - PRODUCTION
INCUMBENT	FREDERICK W. SCHNEIDER

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

As the senior corporate officer with the authority and responsibility for all electric and gas production facilities, all operating and post-accident recovery activities for a nuclear generating station would proceed under my line of command. General direction and guidance from a more senior officer would be expected. Delegating supporting functions to other departments would take place in areas such as public information and relations, purchasing and material acquisition, medical support and off-site radiation survey, sampling and analysis and engineering, design and construction.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B.S.-Mech.Engg.-New Jersey Institute of Technology, 1949
   M.S.-Mech.Engg.-New Jersey Institute of Technology, 1959

2. **Other formal training (related management and technical training/schools)**

   Westinghouse Nuclear Reactor Training, 1967

INCUMBENT	F.W.Schneider

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

Thirteen and one-half years in the electric production department of the Company spent primarily in the maintenance and operation of the newest fossil units including start-up responsibilities as a supervisor and department head.

Nine and one-half years experience in the engineering, design and construction of fossil and nuclear power plants and related systems. Starting in the mechanical engineering field, my responsibilities increased until I became the head of the engineering department during the period when our newest and largest fossil unit and our first two-unit nuclear stations were purchased, designed and constructed by this same engineering department. During the latter portion of this period we also purchased, completed preliminary design and licensed for construction, a second two-unit nuclear station and completed preliminary design and purchased the first floating nuclear units.

For the past five years performed as the Vice President - Production responsible for the operation and maintenance of all electric generation and gas manufacturing facilities including the operation of the bulk transmission systems.

TITLE	GENERAL MANAGER - ELECTRIC PRODUCTION
INCUMBENT	F.P. Librizzi

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

The General Manager assumes the overall responsibility of all activities in our nuclear plants. This includes operation, maintenance, testing, training, quality assurance, safety, security, radiation protection, surveillance, etc. The Plant Manager, who reports to the General Manager, is directly responsible for the above activities on a day-to-day basis.

In the event of a TMI-2 type accident at Salem, the General Manager provides general direction of all necessary operating and maintenance procedures required to secure the safety of the plant. He assures that all available resources of the Company are utilized to maintain a continuing safety of the plant, supervises the assessment of damage that may have occurred, provides technical support as necessary, and establishes a flow of information to his superiors. In addition, he determines that the proper authorities are notified and provides the necessary information for release to the press.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B.S. - E.E.
   Lehigh University
   1942

2. **Other formal training (related management and technical training/schools)**

   AMA Management Training.
   Simulator Training at Zion.

INCUMBENT	F.P. Librizzi

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

None.

2. Other nuclear experience

None.

3. Other related experience

Employeed by Public Service Electric and Gas Company for 33 years. After 20 years working in several of the generating stations in various maintenance and operating duties, became Manager of Mercer Generating Station for three years, Assistant General Manager of the Electric Production Department for three years, and General Manager for the last seven years.

TITLE	MANAGER - NUCLEAR OPERATIONS
INCUMBENT	H. J. Heller

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Reports to the General Manager - Electric Production on all matters.concerning nuclear power.

Evaluate and review nuclear plant operation, radiological safety and environmental concerns.

Provide off-site advisory support for the nuclear station (s).

In the event of a TMI-2 type incident, would commit the technical expertise of Nuclear Operations staff to site support as dictated by the needs of the station.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S, Mech. Engg., 1939, Newark College of Engg.

2. Other formal training (related management and technical training/schools)

Elements in Nuclear Engg., ASME

Westinghouse Courses:

Design Lecture Series (5 weeks)
Reactor Operator Training (10 months)

INCUMBENT	H. J. Heller

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Manager - Nuclear Power Plant (Salem) 10 years
Manager - Nuclear Operations (Gen. Office) 1 year

2. Other nuclear experience

3. Other related experience

SUBUNIT SUPPORT GROUP	Nuclear Operations
RESPONSE COORDINATOR	H. H. Heller

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	8

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	1		
Chemical Engineering	1		1
Mechanical Engineering	1		
Nuclear Engineering			
Civil Engineering			
Electrical Engineering	1		
Science Major	1		
Other (specify)			
Bus. Mgt.	1		

(2 hold no degrees)

(1 held SRO at Salem)

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING	17		
MECHANICAL ENGINEERING			
ELECTRICAL ENGINEERING			
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING	7		
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING	1		
REACTOR PHYSICS	7		
HEALTH PHYSICS	15		
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION	19		5
PLANT MAINTENANCE	14		
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE /Qual.Cont.	2	4	
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS	2		
CONTROLS ENGINEERING			
TRAINING	3		
MANAGEMENT			
OTHER (SPECIFY)			
TOTAL EXPERIENCE	87	4	5

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	78
ENGINEERING MANAGEMENT	(MAN-YEARS)	7
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	52

TITLE	MANAGER - PLANT MAINTENANCE
INCUMBENT	Eric M. Chemnitius

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Provide technical support for maintenance repair and modification of generating stations.

Investigate equipment problems and propose corrective action.

Provide liasion from the station to the Engineering Department on ASME code related matters and interpretations.

Provide support for maintenance at the station.

Would mobilize and make available all maintenance facilities in our system to expedite required repair work in the event of a nuclear plant emergency situation.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S. Mech. Engg., 1950, Lehigh University

2. Other formal training (related management and technical training/schools)

   Nuclear Energy Course (in-company)
   Bailey Pneumatic Controls Course

INCUMBENT	Eric M. Chemnitius

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

29 years power plant experience in maintenance, performance and operating departments including Manager - Fossil Plant 3 years, Manager - Plant Maintenance-4 years

SUBUNIT SUPPORT GROUP	Plant Maintenance
RESPONSE COORDINATOR	E.M. Chemnitius

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	26

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering			
Chemical Engineering			
Mechanical Engineering	5		
Nuclear Engineering			
Civil Engineering			
Electrical Engineering	5	1*	
Science Major			
Other (specify)			
Marine Engg.	3		
Bus. Admin.	1		
Economics	1		
Indus. Engg.	1		

9 hold no degrees

*Also hold B.S. in Mech. Engg; not counted in BME

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING	2		
MECHANICAL ENGINEERING			38
ELECTRICAL ENGINEERING			1
STRUCTURAL ENGINEERING			1
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY			
RADIOCHEMISTRY			
PLANT OPERATION			19
PLANT MAINTENANCE	8	10	70
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE			
PLANT PERFORMANCE			22
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING			6
TRAINING			
MANAGEMENT		3	13
OTHER (SPECIFY) Computer		8	48
TOTAL EXPERIENCE	10	21	218

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	10
ENGINEERING MANAGEMENT	(MAN-YEARS)	49
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	201

TITLE	MANAGER - PLANT OPERATIONS
INCUMBENT	ROBERT F. STEINKE

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Provide technical support for unit operations.

Provide technical direction on water chemistry, waste, and environmental matters.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S., Mechanical Engineering, 1958, Stevens Institute of Technology.

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

19 years power plant experience in maintenance, performance and operations including:

Manager - Fossil Plant; 4 years

Manager - Plant Operations; 2 years

SUBUNIT SUPPORT GROUP	Plant Operations
RESPONSE COORDINATOR	R. F. Steinke

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	12

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering	1		
Chemical Engineering	1		
Mechanical Engineering	5	1	
Nuclear Engineering			
Civil Engineering			
Electrical Engineering	2		
Science Major			
Other (specify)			

(2 hold no degrees)

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING			
MECHANICAL ENGINEERING			2
ELECTRICAL ENGINEERING			
STRUCTURAL ENGINEERING			
CHEMICAL ENGINEERING			
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING			
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS			
PLANT CHEMISTRY		5	15
RADIOCHEMISTRY			
PLANT OPERATION		3	75
PLANT MAINTENANCE			16
INSTRUMENTATION & CONTROL			
QUALITY ASSURANCE			
PLANT PERFORMANCE		4	52
NUCLEAR FUEL SUPPLY & ANALYSIS			
CONTROLS ENGINEERING			
TRAINING			
MANAGEMENT			16
OTHER (SPECIFY) Non-rad Safety			10
TOTAL EXPERIENCE	0	12	186

4. SUMMARY

NUCLEAR POWER FIELD	(MAN-YEARS)	0
ENGINEERING MANAGEMENT	(MAN-YEARS)	52
TOTAL UTILITY EXPERIENCE	(MAN-YEARS)	182

TITLE	MANAGER - SYSTEM OPERATIONS
INCUMBENT	ROBERT E. BURKE

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Operate the bulk power system of PSE&G.

Control the generator load scheduling, transmission switching operations and operating integrity and voltage regulation of the bulk power system.

Maintain liasion with the PJM Interconnection Control Center.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Yale University, B.E., Electric Engineering, 1947.

2. Other formal training (related management and technical training/schools)

   Power System Engineer Course (In-Company)
   Nuclear Tube Management Course (NUS Corporation)
   Management Development Course (Rutgers University)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

None.

2. Other nuclear experience

None.

3. Other related experience

32 years experience in utility operations.

TITLE	MANAGER - AUTOMOTIVE MAINTENANCE
INCUMBENT	R.O. Rosenmeier

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Provide necessary vehicles and/or construction equipment from the Public Service vehicular fleet to provide for the movement of people and material to and from the Salem site.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Bachelor of Science - Mechanical Engineering - Newark College of Engineering, 1960.

2. Other formal training (related management and technical training/schools)

   A.M.A. Management Course

INCUMBENT	R.O. Rosenmeier

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

None

2. Other nuclear experience

None

3. Other related experience

Extensive background in transportation and equipment. Prior work background in building construction, aircraft repair, and automotive repair. Nine years' experience in specifying, procuring, equipping and disposing of vehicles and equipment. Responsible for maintenance of 5,000 pieces of automotive and construction equipment.

TITLE	GENERAL MANAGER - RESEARCH & TESTING LABORATORY
INCUMBENT	J. G. O'Grady

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Overall responsibility to direct the activities of the multi-disciplined Research and Testing Laboratory which is a part of the PSE&G Research Corporation. Included in this organization is the Environmental Group of the Chemical Division which performs measurements of background environmental radiation samples including air, water, soil and such additional items as milk from the farms within a 10-mile radius of the plant. This work is performed in collaboration with the Licensing and Environment Department of the Engineering and Construction Department. In the event of an episode at Salem, our role would be limited to what would be requested by either the Production Department or the Engineering Department, to pick up appropriate samples and perform radiation measurements.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.E.E., College of Engineering, New York University
   1954

2. Other formal training (related management and technical training/schools)

   Management training and financial management training at American Management Association

   Registered Professional Engineer, State of New Jersey

INCUMBENT	J.G. O'Grady

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Overall management responsibility for the direction, through subordinates, of the Environmental Group which performs radiation testing as previously described

2. Other nuclear experience

Directed the activities of other divisions of the Laboratory that performed quality assurance testing during the construction and startup of Salem

3. Other related experience

Member of American Society for Testing and Materials Committee D-10 on Nuclear Applications to develop voluntary consensus standards that may be useful during the construction and operation of nuclear power plants

SUBUNIT SUPPORT GROUP	Research and Testing Lab
RESPONSE COORDINATOR	J.G. O'Grady

1. NUMBER OF PROFESSIONAL PERSONNEL

AUTHORIZED	PRESENT STAFF
	152

2. EDUCATIONAL BACKGROUND OF PRESENT STAFF

	BS	MS	PhD
General Engineering			
Chemical Engineering	3		
Mechanical Engineering	9		
Nuclear Engineering			
Civil Engineering	2		
Electrical Engineering	15	1	
Science Major	10	2	2
Other (specify)			
Metallurgy	1	2	
Chemistry	1		
Mechanical Technology	1		
Environmental	1		
Physics	1		
Mathematics	1		
Industrial Engg. Tech.	3		
Geology	1		
Construction Mgt.		1	
Business Administration	2	3	
Communications		1	

Note: Professional Engineers 4

3. TECHNICAL EXPERIENCE (IN MAN-YEARS)

	FULL TIME NUCLEAR EXP.	PART TIME NUCLEAR EXP.	OTHER RELATED EXP.
NUCLEAR ENGINEERING		64	222
MECHANICAL ENGINEERING		66	284
ELECTRICAL ENGINEERING		57	15
STRUCTURAL ENGINEERING		4	30
CHEMICAL ENGINEERING		65	66
METALLURGICAL ENGINEERING			
THERMAL/HYDRAULIC ENGINEERING		240	574
MATERIALS ENGINEERING			
REACTOR PHYSICS			
HEALTH PHYSICS		34	614
PLANT CHEMISTRY		57	
RADIOCHEMISTRY		4	339
PLANT OPERATION		37	309
PLANT MAINTENANCE		3	180
INSTRUMENTATION & CONTROL		267	278
QUALITY ASSURANCE		29	534
PLANT PERFORMANCE			
NUCLEAR FUEL SUPPLY & ANALYSIS			
TRAINING		40	45
OTHER (SPECIFY)			
TOTAL EXPERIENCE		967	3,490

TITLE	VICE PRESIDENT - LAW
INCUMBENT	F. M. Broadfoot

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Chief Legal Officer. Assists and counsels management to insure compliance with applicable laws and regulations.

Provides legal and administrative services for claims and lawsuits instituted by third persons against the corporation.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Lafayette College, 1941, A.B. Economics
   Dickinson School of Law, 1948, J.D.

2. Other formal training (related management and technical training/schools)

   None

INCUMBENT	F. M. Broadfoot

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Knowledge with respect to interpretation and compliance with the Atomic Energy Act, as amended and NRC rules and regulations.

2. Other nuclear experience

Licensing.

3. Other related experience

Military experience, communicating and acting under stress.

TITLE	VICE PRESIDENT - PUBLIC RELATIONS
INCUMBENT	E.J. Lenihan

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Among other departments, I have authority over the Information Services Department, which would be dealing with the news media in the event of a TMI-2 type accident.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Bachelor of Arts degree in economics at Seton Hall College in 1936.

Master's degree in Business Administration, New York University in 1948.

2. Other formal training (related management and technical training/schools)

Public Utility Executive Program, University of Michigan Graduate School of Business Administration.

INCUMBENT	E.J. Lenihan

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

TITLE	GENERAL MANAGER - ENVIROMENTAL AFFAIRS
INCUMBENT	J.A. Shissias

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

1. Has responsibility for a technical support role to the Information Services Department concerning the handling of the electronic and printed media.

2. Has responsibility as Company contact and coordinator for interaction and communication with the State DEP and the federal EPA.

3. Has responsibility to assess and develop environmental/nuclear information.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B.S. degree in Industrial Engineering, Rutgers University, 1959

   Masters degree in Business Administration (Finance), Temple University, 1969

2. **Other formal training (related management and technical training/schools)**

   Public Utility Executive Program, Graduate School of Business Administration, University of Michigan, 1971

   Westinghouse International School for Environmental Management, Westinghouse Electric Corporation, 1974

   Program in Management Development (PMD), Harvard University, 1979

INCUMBENT	J.A. Shissias

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)
   a. Has handled nuclear/environmental information programs at PSE&G for five years.
   b. Has responsibility for operating two energy/nuclear information centers, one at Salem Station and the other in Burlington. This responsibility includes tours of both centers.
   c. Has experience and responsibility dealing with translating technical information into public information.

2. Other nuclear experience

   Member of Public Affairs and Information Committee of the Atomic Industrial Forum.

3. Other related experience

   Has approximately 20 years of varied professional and management experience in the operation of the combined electric and gas utility company.

TITLE	GENERAL MANAGER - INFORMATION SERVICES
INCUMBENT	A.F. Lenehan

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

My department plans, develops and communicates information to employees, the news media and the public at large. In the event of a TMI-2 type accident, I would have the responsibility to meet the various demands of the news media, provide the news people with information and the physical means of disseminating that information.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Bachelor of Science degree (social sciences) from St. Peter's College, 1948.

2. Other formal training (related management and technical training/schools)

Stone & Webster management course, 1972

U. S. Navy flight training, 1942

INCUMBENT	A.F. Lenehan

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

16 years experience as a journalist, plus 14 years as a communicator and public information officer with PSE&G.

TITLE	VICE PRESIDENT - CORPORATE SERVICES
INCUMBENT	W.E. Mange, Jr.

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Overall responsibility for major corporate functions of: purchasing and procurement of equipment, materials, supplies and services; acquisition, renting, leasing, licensing and sale of real estate; direction and administration of telecommunication operations; and other corporate service functions.

Would mobilize all service organizations to ensure continued availability and reliability of site services during any emergency conditions and subsequent recovery operations.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S./Electrical Engineering, Cornell University 1948

2. Other formal training (related management and technical training/schools)

   Public Utility Executive Program, University of Michigan 1961

   Graduate study - Business Administration - no degree 1958-59

INCUMBENT	W.E. Mange, Jr.

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

3. Other related experience

TITLE	ASST. GENERAL MANAGER - PERSONNEL
INCUMBENT	L. Marturana

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

I have managerial responsibilities in the following two areas:

Helicopter Transportation

Arrange for helicopter or fixed wing aircraft required should an accident occur. Have emergency procedure worked out with Radiation Management Corporation to transport by Company-owned helicopter serious radiation victims to University of Pennsylvania decontamination facilities.

Medical

Through Medical Director or Assistant Medical Director perform a medical advisory capacity together with Radiation Management Corporation. Both physicians are Board qualified and have an up-to-date background on the treatment of radiation victims (on an alternating year basis each attends the course given by NRC at Oak Ridge).

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

BS - Rutgers University, 1954

MBA - New York University, 1961

2. Other formal training (related management and technical training/schools)

AMA Management Course
(4 week program completed in 1974)

INCUMBENT	L. Marturana

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Arranged for the Construction of an Emergency Radiation Treatment Facility at Salem County Memorial Hospital.

2. Other nuclear experience

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3. Other related experience

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TITLE	MANAGER - TELEPHONE SERVICES
INCUMBENT	W.E. Sauer

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directs and administers telecommunication operations throughout the Company. Forecasts needs for expansion. Plans, schedules and directs installation of communication equipment.

Work in close association with plant management and New Jersey Bell Telephone Company in providing telecommunication requirements and restoration of service during an emergency caused by a TMI-2 type accident.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

No degrees

Two years of night school, Business Management, Rutgers.
Years - 1967, 1968 & 1969

2. Other formal training (related management and technical training/schools)

RCA Programming/Computer Course

Advanced Management Course - Rutgers

AT&T Communications Course

INCUMBENT	W.E. Sauer

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

None nuclear related.

8 years experience in the telecommunication field.

2. Other nuclear experience

None

3. Other related experience

Establish, implement and direct, as necessary, emergency communication procedures for PSE&G.

Well informed on New Jersey Bell Telephone Company's procedures and what action must be taken to have New Jersey Bell mobilize to meet an emergency.

TITLE	MANAGER - SAFETY & SECURITY
INCUMBENT	A.L. Lewis

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Safety - Furnish safety and health logistic support to station management in the training of personnel with regard to safe work practices and procedures in connection with health hazards such as toxic exposures, use of protective equipment, etc. Assist in the procurement of approved safety equipment as may be necessary.

Security - Review security force operations and assist department in implementing any necessary corrective actions. Coordinate contracts with federal, state and local law enforcement agencies concerning security matters. Promulgate and implement any necessary Company activities in connection with Civil Defense/Disaster Control programs.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   BS in EE Newark College of Engineering, 1947.

2. Other formal training (related management and technical training/schools)

   Radiological Monitoring for Instructors, NYU - 1969
   Radiological Defence Officer, NYU - 1970
   Numerous safety, health and fire training seminars.
   Accredidation as Certified Safety Professional and Certified Hazard Control Manager.

INCUMBENT	A.L. Lewis

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

None.

2. Other nuclear experience

None.

3. Other related experience

Twelve years experience as safety and health manager with broad knowledge of utility operations. Ten years experience as volunteer fireman. Graduate of Niagara Mohawk Power Corporation instructors' fire training course - 1968.

TITLE	GENERAL MANAGER - PURCHASING
INCUMBENT	JOSEPH S. FOX

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Responsible for the procurement of equipment, materials, supplies, and services. Develops and maintains reliable sources of supply. Evaluates and recommends new products and services. Coordinates interdepartmental efforts in evaluating, negotiating, and administering major purchase contracts. Expedites deliveries.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B.S./Business Administration, Seton Hall University, 1951

2. **Other formal training (related management and technical training/schools)**

   American Management Association Course in Purchasing Management.

INCUMBENT	J.S. Fox

EXPERIENCE

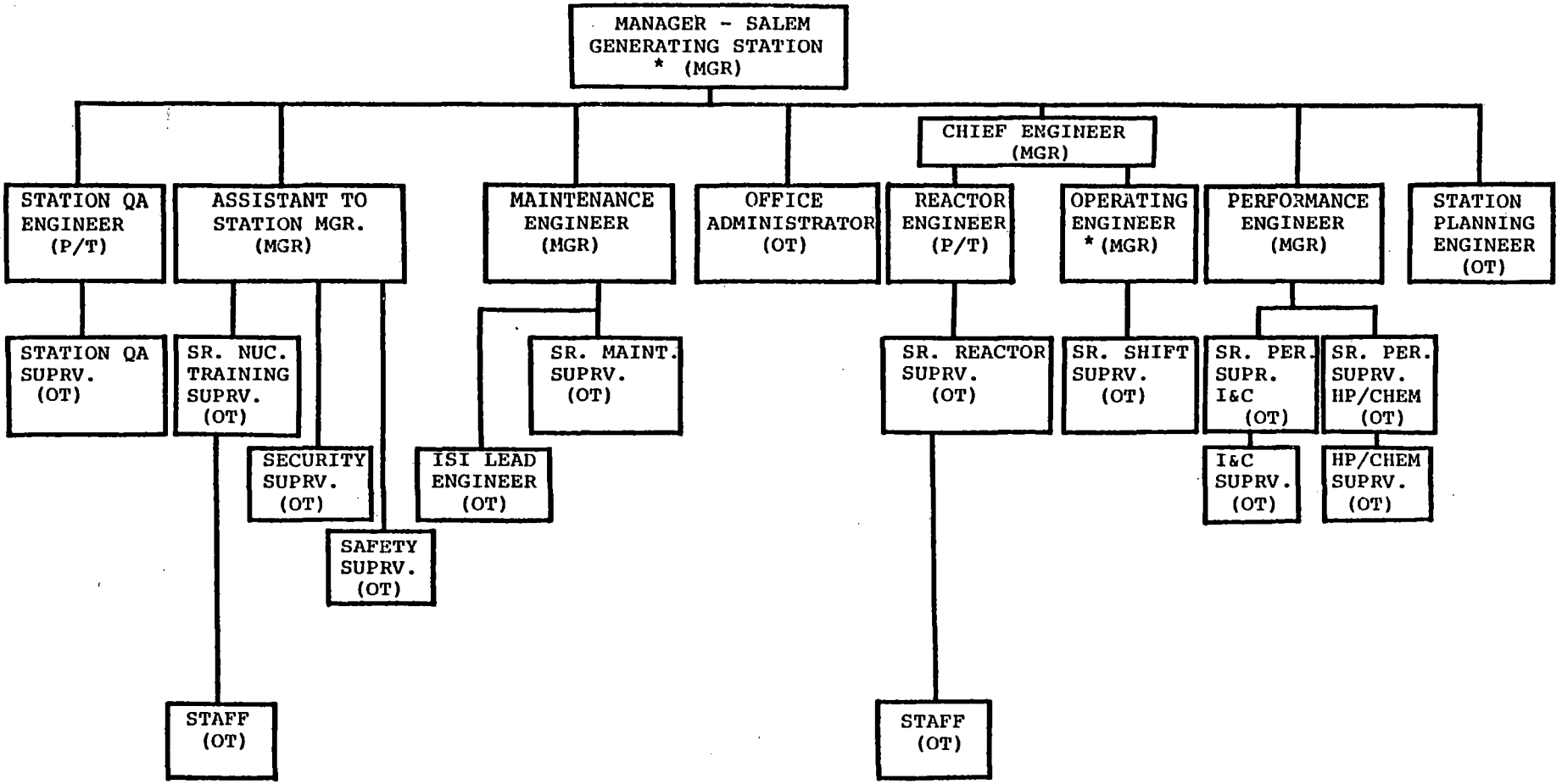
1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Directly involved in the procurement of major components of Salem Nuclear Generating Station.

2. Other nuclear experience

3. Other related experience

PLANT STAFF - TECHNICAL RESOURCES



NOTES:

(MGR) - Managers as defined by ANSI N18.1

(P/T) - Professional-Technical as defined by ANSI N18.1

(OT) - Other personnel as defined by NRC letter

* - Only these positions have been staffed at Hope Creek Generating Station

TITLE	STATION MANAGER
INCUMBENT	Henry J. Midura

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Direction of all plant staff.
Allocation of all plant resources.
Allocation of required funds.
Coordinating the activities of all the station departments.
Approving procedures and changes to procedures.
Indentifying and requesting Nuclear Review Board consideration of nuclear safety matters.
Performing the actions required by the Emergency Plan.
Assigning administrative and technical control responsibility for the accountability of special nuclear material within the custody of the station.
Evaluating and acting upon requests for waivers of administrative exposure limits.
Designating those station personnel who are qualified to administer first aid.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

BEE Renssalaer Polytechnic Institute 1955

2. **Other formal training (related management and technical training/schools)**

Westinghouse Reactor Operation Training Program (10 months)
" Design Lective Series (5 months)
S.R.O. License

INCUMBENT	Henry J. Midura

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

11 years experience at Salem Generating Station as Maintenance Engineer, Chief Engineer and Manager

2. Other nuclear experience

Observation training in various nuclear plants which include refuelings, initial core loadings, non-routine outages, start-ups and shutdowns.

Worked on the Salem project in areas of organization, training, technical specification review, operating procedure, preparation, and acceptance testing.

3. Other related experience

20 years of power plant experience.

TITLE	Manager - Hope Creek Generating Station
INCUMBENT	Roger S. Salvesen

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Provide liaison with Manager - Salem Station to make available all resources of the Hope Creek site for support in the event of an emergency at Salem and to provide advice based on nuclear background and 27 years power plant experience with PSE&G Co.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

BME, Rensselaer Polytechnic Institute, 1952

2. **Other formal training (related management and technical training/schools)**

Westinghouse Reactor Operator Training(WROTP),1969
Westinghouse Design Lecture Series for Salem 1, 1970
American Management Association-Mgmt.Course, 1970

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

1968-1971 Chief Engineer - Salem Station
1971-1978 Manager-Nuclear Operations in Corporate Offices.
1978-Present Manager- Hope Creek Station

2. Other nuclear experience

Member: ANSI (FIRR Committee)
EPRI Design & Operations Task Force

Chairman-ASME Power Subcommittee (North Jersey)

3. Other related experience

16 years in fossil fueled stations in various supervisory positions

TITLE	STATION QUALITY ASSURANCE ENGINEER
INCUMBENT	James L. Stillman

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Conducting inspection, surveillance and audits of station activities
b) Reviewing and approving procedures and instructions prepared by station departments
c) Keeping abreast of quality requirements (NRC regulations)
d) Staying current on nonconformances in the station, assuring that they are documented and corrected
f) Analyzing quality trends to detect conditions adverse to quality
g) Reviewing safety-related procurement documents to ensure that appropriate quality assurance requirements are included and vendors are approved.
f) Determining that controls for safety-related materials and equipment are adequate and are being followed.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   BSME Widner College 1957

2. **Other formal training (related management and technical training/schools)**

   PSE&G - "Orientation and Qualification Program for Quality Assurance Engineers"
   Penn State Continuing Education Course "Welding, complying with ASME Section IX code".

INCUMBENT	James L. Stillman

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Station QA Engr. at Salem - 5 years

2. Other nuclear experience

Nuclear Power plant construction - 4 years

3. Other related experience

Supervising engineers for instrumentation and testing of mechanical and electro mechanical systems for 14 years.

TITLE	STATION QA SUPERVISOR
INCUMBENT	BRUCE LEAP

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Assist the Station QA Engineer in implementation of the operational QA Program.

Could perform NDE support because of extensive background.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Attended Camden Community College.

2. Other formal training (related management and technical training/schools)

   Many NDE training courses over the years.

   1978 - RT, UT, PT, MT, and Eddy Current Courses by Non-Destructive Test Engineering Company (Div. of Hartford Steam Boiler Inspections and Insurance Co.) Essex, Ct.

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Four years in operational QA at SGS.

2. Other nuclear experience

Nine years nuclear shipbuilding NDE experience for N.Y. Shipbuilding Co. and Philadelphia Navy Yard.

Two years as a Supervisor - Shipbuilding, 8th Naval District, New Orleans, La.

Formerly certified Level II for RT, PT, UT, MT by U.S. Navy.

3. Other related experience

Two years Fossil Construction experience performing NDE functions.

TITLE	ASSISTANT TO MANAGER
INCUMBENT	R. A. Silverio

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Assisting the Station Manager as designated.

Maintaining the necessary liaison between the station and all outside agencies.

Conducting direct communications with the Public Information Office, local and governmental agencies in regard to incidents.

Conducting entrance and exit interviews of state and federal agency auditors and inspectors.

Ensuring that the rules and regulations described in the Safety Manual and the fire fighting and organization manual are being followed and updated as required.

Ensuring that all surveillance tests, drills, and training for the Fire Protection System, fire bridage team, and first aid team are properly scheduled, completed and documented.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

BSEE, Drexel University 1960

2. **Other formal training (related management and technical training/schools)**

S5W & D1G Nuclear Training Courses

Westinghouse Reactor Operator Training Program (10 months)
Westinghouse Simulator Training Program (Option II)
SRO License

ASSISTANT TOWNMANAGER

R. A. SILVERIO

CONTINUATION OF FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Reviewing the Emergency plan annually.

Assuming the duties of the Emergency Duty Officer as required.

Maintaining site security as required by the Security Plan and Procedures.

INCUMBENT	R. A. Silverio

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Maintenance Engineer at Salem Unit 1 for 3 years.

2. Other nuclear experience

Construction & testing of naval nuclear plants at New York shipbuilding Corporation (7 years). Participated in five Naval Reactor Plant startups. while employed by N.Y. Shipbuilding Corporation.

Actively participated in Salem Unit 1's plant manual preparation, training, technical specifications and FSAR preparation.

3. Other related experience

TITLE	Senior Nuclear Training Supervisor
INCUMBENT	James K. Lloyd

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

SRO License. Provide backup support and assist in accident management/control room operations, operator training, action evaluations, field support, communications, dose calculations, and limited Health Physics support.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

High School Graduate
Approx. 40 credits toward Associate Degree in Instrumentation and Controls

2. Other formal training (related management and technical training/schools)

1. Navy Nuclear Training
2. PSE&G Reactor and Senior Operator Training
3. Appox. 12 weeks of training at various Commercial Nuclear Power Simulators.

INCUMBENT	James K. Lloyd

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Extensive training in accident analysis/management and transient analysis by virture of my position in training.
Recently completed training at Indian Point Simulator related to TMI and accident response.
7 Years experience in training operating personnel at Salem

2. Other nuclear experience

U.S. Navy - 1963-1970

1. USS John Adams (SSBN620) - Engineering Watch Supervisor
2. SIC Prototype, Windsor Conn.-Instructor

3. Other related experience

1. Very familiar with station Emergency Plan.
2. More skilled than operating personnel in areas like reactor theory and heat transfer and fluid flow.

TITLE	NUCLEAR TRAINING SPECIALIST
INCUMBENT	J. BAILEY

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

As an SRO License holder normally holding a staff position, my function would be to lend whatever support was needed to the Operations Department. That support could be in the area of actual plant operation, dose rate calculations, communications, etc. - any function where a need existed.

Responsibility and authority dependent upon function assigned.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

   RO License Training - Surry (VEPCO)

   SRO License - Salem I

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2 years Instructor in Licensing Program for RO and SRO Candidates.

Developed the majority of the Emergency Instructions.

2. Other nuclear experience

Navy Nuclear Program - 6 years.

2 years operational experience of Surry (W - PWR) RO License holder.

4 years experience test and start-up of Salem I.

3. Other related experience

TITLE	NUCLEAR TRAINING STAFF ASSISTANT
INCUMBENT	PATRICK J. LANDERS

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

As an SRO License holder normally holding a staff position, my function would be to lend whatever support was needed to the Operations Department. That support could be in the area of actual plant operation, dose rate calculations, communications, etc. - any function where a need existed.

Responsibility and authority dependent upon function assigned.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   High School Graduate, Notre Dame High School, 1966.

   Attended one year, State University of New York at Albany, 1967.

2. Other formal training (related management and technical training/schools)

   US Naval Nuclear Power Program (includes related electronics schools).

   PSE&G SRO License Training (License # SOP-3413).

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Navy Nuclear Program's emphasis on "casualties", and casualty control/response.

2 years experience in operator training at Salem Generating Station.

2. Other nuclear experience

Naval: (1974-1977) Qualified Reactor Operator/Shutdown Watch on Dig Prototype, Ballston SPA, N.Y. - Staff Operator, ETI (SS).

(1970-1974) Qualified Reactor Operator/Shutdown Watch on USS Casimir Pulaski, SSBN 633B - Crew, ETZ (SS).

(1970) Qualified Reactor Operator (for 1st time) on S3G Prototype, Ballston SPA, N.Y. - Student, ET3.

3. Other related experience

TITLE	SECURITY SUPERVISOR
INCUMBENT	Thomas J. Lesh

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Ensuring the Security Program is in compliance with the Tech. Spec. and federal requirements.

Preparing all security procedures.

Planning, developing and implementing all security measures.

Directing the activities of the Security Force Personnel.

Assessing existing security measures.

Analyzing the vulnerability of Salem Gen. Sta. to determine what hazards exist, their damage potential and advise management.

Maintaining effective liaison with local law enforcement agencies and other external officials concerned with security.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

2. **Other formal training (related management and technical training/schools)**

Nuclear Security Officers Training
Armed Forces Intelligence School
U.S. Army Intelligence School
U.S. Naval Intelligence School

INCUMBENT	Thomas J. Lesh

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

23 years experience in the military intelligence and industrial security field.

2. Other nuclear experience

In charge of security at various power plants and military installations.

3. Other related experience

TITLE	SAFETY SUPERVISOR
INCUMBENT	Ray Scaletti

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Performing the duties and responsibilities of the Fire Chief.

Supervises the first aid squad.

Review all written reports on the fire protection tests.

Noting any deficiencies in fire protection equipment.

Preparing and submitting to the Chief Engineer immediately after a fire emergency all official correspondence concerning fires and fire fighting.

Ensuring cleanliness requirements are maintained.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

12 credits toward a degree in Fire Engineering (AA) at Camden County College.

2. **Other formal training (related management and technical training/schools)**

Damage Control School 4 months (Phila.) ABC Warfare

INCUMBENT	Ray Scaletti

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   4 years experience at Salem Gen. Station as Safety Supv.

2. Other nuclear experience

   Qualified Reactor Operator (1960-1965) U.S. Navy
   Worked in Nuclear Program (1959-1973) U.S. Navy

3. Other related experience

   Qualified Naval instructor (1963-1967)

   In charge of Electrical Department

   A. Pearl Harbor (100 men) 1968-1970)
   B. HalyScotland (75 men) 1970-1973)

TITLE	MAINTENANCE ENGINEER
INCUMBENT	Stan LaBruna

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Managing and planning maintenance repair, inspection and modification activities in accordance with equipment need, operational conditions and license requirements.

Managing the In-Service Inspection Program.
Scheduling the manpower and skills needed to accomplish maintenance, repair, inspection and modification, including plant personnel, traveling maint. crews and contracted labor and services.
Ascertaining work performed by under his jurisdiction is accomplished properly in accordance with procedures.
Maintaining equipment history records.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

BSEE - FDU, 1964

2. Other formal training (related management and technical training/schools)

Westinghouse Reactor Operator's Training
ASME - Elements of Nuclear Engineering
4 Instrument & Control Courses by Various Vendors

INCUMBENT	S. LaBruna

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   3 years experience as Maint. Engr. at Salem Gen. Sta.

2. Other nuclear experience

3. Other related experience

   12 years experience in maintenance, operations and performance at fossil stations.

TITLE	SENIOR MAINTENANCE SUPERVISOR
INCUMBENT	FRANK ROBERTSON

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Scheduling Maintenace Department work and designating manpower to complete those assignments.

Determining that personnel assigned to maintenance, repair, inspection and modification activities are appropriately qualified and certified.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   High School.

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   Eight years experience in maintenance at Salem Generating Station

2. Other nuclear experience

3. Other related experience

   Ten years maintenance and operating experience in fossil plants.

TITLE	SENIOR MAINTENANCE SUPERVISOR
INCUMBENT	DON WARD

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Scheduling Maintenance Department work and designating manpower to complete those assignments.

Determining that personnel assigned to maintenance, repair, inspection and modification activities are appropriately qualified and certified.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

U.S. Navy Nuclear Program - 8 years.

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Three years experience as Senior Maintenance Supervisor at Salem Generating Station.

2. Other nuclear experience

3. Other related experience

Seven years experience in maintenance of fossil plants.

TITLE	LEAD ENGINEER - ISI
INCUMBENT	G. DUNCAN

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Arranging and ensuring that all mechanical inspections, examinations, and tests that are required are identified, scheduled, and conducted in compliance with the ASME Boiler and Pressure Vessel Code Section XI and other applicable requirements.
Provide support for plant layout, weld locations, insulation, valve locations, test results and information relating to the ASME Boiler and Pressure Vessel Code.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   High School

   Mitchell Jr. College (18 credits)

2. Other formal training (related management and technical training/schools)

   Numerous Military Courses including:

   Diesel Engines
   Air Conditioning
   Nuclear Power

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

1 1/2 years experience in Operation QA

3 1/2 years experience in organizing and implementing the Inservice Inspection Program and other Maintenance Department Inspection Programs.

2. Other nuclear experience

Navy - Assistant Nuclear Attack Submarine Material Officer, Atlantic Fleet. Also, on all levels of the Engineering Department of three submarines.

1958-1961 - operation and maintenance of nuclear power plants in Navy.

Quality Control Supervisor - Nuclear Construction for 2 years.

3. Other related experience

Engineering Officer in Navy.

TITLE	ENGINEER - ISI
INCUMBENT	L. LAKE

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Arranging and ensuring that all mechanical inspections, examinations, and tests that are required are identified, scheduled, and conducted in compliance with the ASME Boiler and Pressure Vessel Code Section XI and other applicable requirements.
Provide support for plant layout, weld locations, insulation, valve locations, test results and information relating to the ASME Boiler and Pressure Vessel Code.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   BSME, Fairleigh Dickenson University, 1976.

2. Other formal training (related management and technical training/schools)

   Technical Courses taken at Kean College:
   Introduction to Nondestructive Testing
   Radiography in Modern Industry

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2. Other nuclear experience

1974 to present - Develop and direct the performance of the PSI/ISI Programs Units 1 and 2, Salem Nuclear Generating Station.

3. Other related experience

1971 to 1974 - Assisted in design and installation of Fuel Oil Piping System and responsible for design and purchasing of piping insulation of all kinds including reflective insulation.

TITLE	OFFICE ADMINISTRATOR
INCUMBENT	R. De SANCTIS

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of the station clerical office, storeroom, procurement personnel and technical document room.

Assigning office personnel as required to assist other department.

Directing activities involving ordering, recieving, issuing and stocking parts and materials.

Maintaining custody of blueprints and records, in the TDR.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Accounting degree, La Salle College, 1977

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   18 months experience as office administrator - Salem Generating Station.

2. Other nuclear experience

3. Other related experience

   2 years experience as Office Supervisor - Burlington Generating Station.

   19 years total experience in utility operations.

   10 years experience in office and clerical supv. both in the field and general office.

TITLE	Chief Engineer
INCUMBENT	John M. Zupko, Jr.

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Authority to assume the duties and reponsibilities of the Station Manager in his absence.
Assuring that plant operations are conducted in accordance with requirements
Reviewing all procedures related to startup, operation, shutdown and emergency operation of plant, systems and components.
Evaluating and acting on requests to take a reactor critical following a trip
Receiving, reviewing and following up Incident Reports and Reportable Occurrence Reports
Assuming the duties of the Emergency Duty Officer as required and maintaining a schedule of all personnel serving as Emergency Duty Officers
Performing the duties of Fire Chief
Monitoring the training and retraining of licensed supervisors and operations

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

ME, Stevens Institute of Technology, 1962

2. **Other formal training (related management and technical training/schools)**

Westinghouse Reactor Operating Training Program
Westinghouse Station Nuclear Engineering
S.R.O.License

INCUMBENT	J. Zupko

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Assistant Reactor Engineer for 1 year
Performance Engineer for 7 years
Chief Engineer for 1 year

2. Other nuclear experience

Operating experience @ Ginna, Conn Yankee, and Surry as an observer for approx. 1 year

3. Other related experience

Licensed Professional Engr. - N.J.
8 years experience in fossil power plants

TITLE	REACTOR ENGINEER
INCUMBENT	John A. Nichols

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Reviewing and assessing core physics information.
Developing and furnishing reactor plant operating data.
Reviewing proposed changes to the Station Plant Manual and Technical Specifications.
Sponsoring Refueling Instructions
Planning, authorizing, conducting and reporting all on-site nuclear fuel activities.
Developing written procedures for reactor physics tests, core evaluation, and power ascension programs.
Completing assigned Technical Specification surveillance requirements.
Assuming the duties of Emergency Duty Officer, as required.
Performing the reporting requirements for special nuclear material.
Directing the Reactor Engineering staff and allocation of its manpower and other resources.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

BSEE Fairleigh Dickinson University, 1967

2. Other formal training (related management and technical training/schools)

Westinghouse Reactor Operator Training Program (10 months) reactor operators equivalency license at Saxton
NUS Core Analysis Workshop (2 weeks)
ASME Nuclear Power (short course)
Zion Nuclear COntrol Room Simulator (3 weeks)
Indian Point Nuclear Control Room Simulator (2 weeks)
Nuclear Associates International (NAI) - nominal one year course in core design and analysis
Westinghouse Reactor Engineering Training Program (15 weeks)
S.R.O. License - Salem #1

INCUMBENT	John A. Nichols

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Reviewed and assessed core physics information.

2. Other nuclear experience

On shift test engineer for nuclear startup and power ascension testing of Surrey No. 2 (VEPCO) and for the initial core loading of Prairie Island No. 1.

As the Reactor Engineer at Salem, he has the responsibility for the technical operation of the reactor core and associated fuel. He planned and executed the startup program of Salem No. 1 from initial core loading to 100% power. He is planning a similar program Salem No. 2. In addition, he has completed the first refueling for Salem No. 1.

3. Other related experience

One year in the PSE&G Electric Engineering Department. Two and a half years at a conventional power plant as Maintenance Foreman and Assistant Engineer in the Operating Department. Assigned to Salem Generating Station in 1969.

TITLE	SENIOR REACTOR STAFF SUPERVISOR
INCUMBENT	EDWARD V. ROSCIOLI

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Assisting the Reactor Engineer in core physics.

Supervising fuel movements.

Nuclear fuel management and fuel accountability.

Responsible for training and supervising six (6) engineers in the Reactor Engineering Department.

Developing reactor plant operating data.

Performing necessary calculations to ascertain status of core.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S. Nuclear Engineering, 1973, Penn State University.

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

5 years experience core performance evaluation, incore fuel management, and core physics evaluation at Salem Generating Station.

2. Other nuclear experience

1 1/2 year experience at the GE-BWR at Oyster Creek Nuclear Power Plant. Supervision of fuel shipping and fuel rod inspection, both visual and gamma scan. Also, developed control rod patterns and directed power shaping maneuvers.

3. Other related experience

TITLE	ENGINEER - REACTOR ENGINEERING
INCUMBENT	Jeffrey G. Jackson

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S.N.E. - Rensselaer Polytechnic Institute 1971
M.S.N.E. - Rensselaer Polytechnic Institute 1974

2. Other formal training (related management and technical training/schools)

INCUMBENT	Jeffrey G. Jackson

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

4 Years experience at Salem Generating Station in Reactor Engineering recording and analyzing primary system parameters (hot & cold leg RTD's, Incore Flux Map System, Incore Thermocouples)

2. Other nuclear experience

Test Engineer, Combustion Engineering (1972-1974)
Participated at Maine Yankee Startup, testing at Palisades plant (CE_PWR)
Test Engineer, Nuclear Startup Services (1974-present)
D.S. Cooke, Startup, Salem Unit 1 Startup (W-PWR)
Senior Reactor Operators License at D.C. Cooke #1, (1975)

3. Other related experience

TITLE	ENGINEER-REACTOR ENGINEERING
INCUMBENT	Bruce E. Canfield

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S., N.Y. State Maritime College, 1971

2. Other formal training (related management and technical training/schools)

   2 1/2 months General Dynamics/Electric Boat SSW Nuclear Training Course.

INCUMBENT	Bruce E. Canfield

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   1 year in Reactor Engineer Department
   Assisting the Operating Department in analyzing the status of primary plant.

2. Other nuclear experience

   Pearl Harbor Naval shipyard (3 yrs.) held a license as SSW Nuclear Plant Test Engineer.
   Startup Test Engineer, Salem Unit One, from Phase II testing to one hundred power.
   Maintenance Supervisor, Salem Unit One, Boiler Repair, two years

3. Other related experience

   U.S. Coast Guard, Third Assistant Engineer's License (any ocean, any horsepower)

TITLE	ENGINEER-REACTOR ENGINEERING
INCUMBENT	James R. Harrick

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.E. Manhattan College, 1965 (electrical & physics minor)

2. Other formal training (related management and technical training/schools)

Navy Nuclear Program 6 yrs.
Navy Electronics School
Navy Submarine School

INCUMBENT	James R. Harrick

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

7 years at Salem 1 Start-Up Test Engineer and Reactor Engineering Staff

2. Other nuclear experience

6 year nuclear Navy program

3. Other related experience

N/A

TITLE	ENGINEER-REACTOR ENGINEERING
INCUMBENT	William H. Schell

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Bachelor of Science in Marine Engineering
United States Merchant Marine Academy 1972

2. Other formal training (related management and technical training/schools)

Received a nine month intensive training program on reactor plant systems/theory for the D2G Plant

INCUMBENT	William H. Schell

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

2 yrs. experience at Salem Generating Station
Assisting operations in manually operating system/components and coordinating operations activities. Monitoring core related parameters using in-core flux mapping system and other installed instrumentation .

2. Other nuclear experience

Two years of nuclear startup testing experience with four D2G reactor plants.
Two years of experience with startup test programs for several commercial nuclear power plants.
One year operating experience while on board the N/S Savannah.

3. Other related experience

TITLE	ENGINEER REACTOR ENGINEERING
INCUMBENT	Carl Timm

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S. - Nuclear Science
S.U.N.Y.-Maritime College
1977

2. Other formal training (related management and technical training/schools)

INCUMBENT	Carl Timm

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   2 years assisting operations in manually operating primary system/components and coordinating operations activities.

2. Other nuclear experience

3. Other related experience

   1 year operating experience at Hudson Generating Station (fossil)

TITLE	ENGINEER-REACTOR ENGINEERING
INCUMBENT	Gerard T. Slaby

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel tranfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S. Nuclear Science S.U.N.Y. Maritime College, 1977

2. Other formal training (related management and technical training/schools)

Univac Computer Executive Control Language (P.S.E.&G.)
Fire Brigade 1 - Delaware State Fire School

INCUMBENT	Gerard T. Slaby

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

1 1/2 years in Reactor Engineering Department (Salem 1)

Core flux mapping and data reduction, surveillance testing.

2. Other nuclear experience

3. Other related experience

1 year conventional power plant experience in the Operating and Maintenance Departments.

U.S.C.G. Third Assistant Engineer's License-unlimited
Black Seal Fireman in charge.

TITLE	ASSOCIATE ENGINEER-REACTOR ENGINEER
INCUMBENT	William O'Brien

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Collecting, reviewing and assessing core physics data.
b) Developing and furnishing reactor plant operating data.
c) Supervising refueling activities.
d) Developing core physics test procedures.
e) Completing assigned technical specifications.
f) Performing the reporting requirements for special nuclear material.
g) Planning, conducting and reporting all on-site nuclear fuel transfers.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   B.S. (Nuclear Science) S.U.N.Y. Maritime College, 1977

2. Other formal training (related management and technical training/schools)

INCUMBENT	William O'Brien

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   1 year assisting Operations Department in analyzing status of the primary plant

2. Other nuclear experience

   Nuclear experience at Charleston Naval Shipyard (1 yr.)

3. Other related experience

TITLE	OPERATING ENGINEER
INCUMBENT	F. Schnarr

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the Senior Shift Supervisors in the operation of the plant.

Ensuring that station operations are conducted in accordance with the requirements of operating policies and NRC Operating License.
Insuring, by proper scheduling, that each shift is suitably manned.
Ascertaining and allocating when necessary extra personnel that each shift organization is aware of and understands revisions to the Station Plant Manual.
Completing assigned Technical Specification surveillance requirements.
Evaluating Incident Reports and initiating corrective action.
Scheduling equipment in or out of service for other departments.
Assuming the duties of the Emergency Duty Officer as required.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S., United States Merchant Marine Academy , 1963

2. Other formal training (related management and technical training/schools)

Westinghouse Reactor Operating Training Program
S.R.O. License

INCUMBENT	F. Schnarr

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

8 years experience at Salem Gen. Sta. in various assignments.

Continued participation in the license requalification program and completion of one week training per year at a similator.

2. Other nuclear experience

Experienced in testing while assigned to the Startup Group for approximately 1 1/2 years.

Familiar with Maintenance Department activities after being assigned as Maintenance Supervisor for approximately three years.

3. Other related experience

Had Maintenance experience at a fossil unit for 1 1/2 years.

Has five years experience in operations aboard Mechant Vessels as Engineering Officer in charge of the watch.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	N. GERRITY

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   High School, 1941

2. **Other formal training (related management and technical training/schools)**

   Westinghouse Reactor Operator Training Program, 5/70.
   Westinghouse Option II Simulation Training, 7/73, 6/74, 4/75.
   NUS Nuclear Training Program, 9/67.
   APD Design Lecture Series.
   S.R.O. Licensed

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   10 years in-plant operation at Salem.

2. Other nuclear experience

3. Other related experience

   24 years of power plant experience.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	W. RAHL

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   High School.

2. **Other formal training (related management and technical training/schools)**

   NUS Prep. Training.
   Westinghouse Reactor Operator Training Course, 5/70.
   APD Design Lecture Series.
   Westinghouse Simulator Training.
   S.R.O. Licensed

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

9 years experience in operations at Salem Generating Station.

2. Other nuclear experience

3. Other related experience

20 years conventional power plant operating experience.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	R. McCARTHY

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   High School.

2. **Other formal training (related management and technical training/schools)**

   NUS Preparatory Training, 8/69.
   Westinghouse Reactor Operator Training Course, 5/70.
   APD Design Lecture Series, 7/70.
   Westinghouse Power Training Simulator.
   S.R.O. Licensed

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

9 years in operations at Salem Generating Station.

2. Other nuclear experience

3. Other related experience

Conventional station - 23 years experience.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	D. JANSEN

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   High School, 1950.

   One year at University of Dubuque, 1951, Engineering.

2. Other formal training (related management and technical training/schools)

   Westinghouse Reactor Operator Training.

   Westinghouse Option II Simulator Training.

   Allis - Chalmeis Reactor Training Program.

   On Site Training.

   S.R.O. Licensed

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   9 years as Shift Supervisor at Salem.
   10 years at Elk River Reactor as Operator and Shift Dupervisor.

2. Other nuclear experience

3. Other related experience

   24 years of responsible power plant experience.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	D. ESKESEN

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   High School.

2. **Other formal training (related management and technical training/schools)**

   Westinghouse Reactor Operator Training Program.

   PSE&G Reactor Theory Refresher Course.

   SRO License
   Westinghouse Option II Simulator Training.

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

9 years experience in operations at Salem Generating Station.

2. Other nuclear experience

3. Other related experience

12 years conventional power plant experience as Equipment Operator and Control Operator.

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	R. MacWATTERS

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   1 1/4 years at Colorado State University.

2. Other formal training (related management and technical training/schools)

   Navy Nuclear Power Plant Operator Course.
   Westinghouse Option II Simulator Training.
   Westinghouse Standard on-site Training Program.
   SRO

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

6 years experience in operations at Salem Generating Station.

2. Other nuclear experience

Certified on PM - 3A Nuclear Power Plant (PWR).
Certified on SM - 1 Nuclear Power Plant (PWR).
Operator & Watch Supervisor PM - 3A Plant.

3. Other related experience

TITLE	SENIOR SHIFT SUPERVISOR
INCUMBENT	JAMES P. KOVACSOFSKY

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Acting as coordinator to initiate immediate action during emergencies and evaluate any abnormal situation to determine if an emergency exists.
Responding to the actions required by the Company Emergency Procedure.
Observing the performance of the shift operating crew to ascertain that assignments are executed properly.
Supervising, through the Shift Supervisor, the shift operating crew and others as may be assigned.
Performing the steps necessary to ensure that shift operations are adequately manned.
Notifying the Operating Engineer or Chief Engineer as soon as possible following an operational incident and initiating an Incident Report and other special reports as applicable.
Reviewing and approving completed Check-Off Lists, reviewing the Shift Reports and other data compiled by the shift operating crew, to detect abnormal trends, assess potential operating problems, and confirm the accuracy of the information. CONTINUED

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   High School, 1961.

2. **Other formal training (related management and technical training/schools)**

   Westinghouse Simulator Training.
   Westinghouse On-Site Training Program.
   PSE&G R.O. Training Course.
   S.R.O. License

TITLE	
INCUMBENT	

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

CONTINUED

As deputy Fire Chief, responding to fire alarms, and taking charge of the fire brigade and requesting support of the local fire department if warranted.
Granting permission for removal of plant equipment from service.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

9 years experience in operations at Salem Generating Station.

2. Other nuclear experience

3. Other related experience

7 years conventional power plant experience.

TITLE	Operating Engineer (Hope Creek Station)
INCUMBENT	Leonard M. Fry

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Having been Senior Performance Supervisor during the entire Start-up and Test Program and on through 2 years of commercial operation of Salem, would provide knowledgeable technical assistance to the station I & C group as needed.
As a licensed S.R.O.-(Salem 1) with 5 years previous Reactor Operator and Watch Supervisor experience on U.S.Navy reactor plants (S5W), could provide Operating Department with additional supervisory capability if required.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

BS Engineering Administration, Univ. of Delaware, 1977

2. Other formal training (related management and technical training/schools)

U.S.Navy Nuclear Power School
U.S.Navy Electronics School
Westinghouse Nuclear I&C Course (12 weeks)

INCUMBENT	Leonard M. Fry Operating Engineer (Hope Creek)

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

5 years as Reactor Operator (two of which were as Watch Supervisor) on U.S.Navy S5W type plant also responsible for calibration and repair of all nuclear-related electronic equipment during that time.

9 years Preop. Testing & Commercial Ops in I&C supervision at Salem.

2. Other nuclear experience

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3. Other related experience

Organizational skills relating to manpower and equipment utilization in the area of instruments and controls.

TITLE	PERFORMANCE ENGINEER
INCUMBENT	L.K. Miller

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of the Performance Department in both Instrument and Control and HP/Chemistry assuming the duties at EDO as required.

Overseeing the discharge of liquid and gasseous radioactive waste

Assisting in collection of data for the operational environmental monitoring program.

Ensuring the adhrerence, by all plant personnel, to the requirements of the "Radiological Safety Program."

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   BSEE , Pennsylvania State University , 1966

2. Other formal training (related management and technical training/schools)

   SRO License - Salem #1
   Westinghouse Reactor Operator Training Program
   Westinghouse Simulator Training Program (Option II)

INCUMBENT	L. K. Miller

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

1 year as Performance Engineer at Salem Gen. Sta.

Six years in instrumentation and control at Salem Gen. Sta.

Operating Engineer for Salem 1 for 3 years

2. Other nuclear experience

Involved in the preparation of Salem Unit 1's operating and emergency instructions.

3. Other related experience

3 years experience in Performance Department works at a fossil station.

TITLE	SR. PERF. SUPV. - INSTR. & CONTROLS
INCUMBENT	John P. Ronafalvy

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

a) Assuming the authority and responsibilities of the Perf. Engr. in his absence.
b) Providing direction to the Instrument Supervisors.
c) Ensuring the development and implementation of instrumentation and calibration procedures.
d) Overseeing the completion of calibrations, tests, and inspections on station instrument and controls.
e) Reviewing plant operations, relating to the I&C group.
f) Investigating particular plant problems or conditions concerning instruments and controls.
g) Providing design and engineering assistance related to system design changes or plant modifications.
h) Scheduling Performance Department personnel as needed for routine and emergency work assignments.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S.-ME 1972 Newark College of Engineering
A.S.-E.S. 1970 Mercer Co: Com. College

2. Other formal training (related management and technical training/schools)

S.T.E. Licensing 10 months, newport news shipbuilding and dry dock co.

INCUMBENT	John P. Ronafalvy

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Station Operational Support and Radwaste Coordinator at Salem for 3 years.

2. Other nuclear experience

Shift Test Engineer on D2G Naval Reactor Plants for 4 years.

3. Other related experience

TITLE	ENGINEER
INCUMBENT	George S. Daves, Jr.

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Verifying instrument calibrations or control adjustments that have vital operating significance, or are related to reactor safety.

Instructing and supervising technicians working instruments and controls are correct.

Scheduling maintenance, repair, inspection and calibration work of station instruments and controls.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   A. Lowell University - BSEE - 1973
   B. New Jersey Inst. of Technology-12 Credits undergrad. Mech Eng. Courses-1974/75

2. **Other formal training (related management and technical training/schools)**

INCUMBENT	George S. Daves, Jr.

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

3 years experience in Instr. & Contrl. work at Salem Gen. Sta. Repsonsible for all maintenance and calibration of Salem No. 1 Radiation Monitoring System. Responsible for maintenance and calibration of portions of the following system: Ventilation systems, in Aux. Bldg., Fuel Handling Bldg. and Control Room, gaseous liquid and solid waste disposal system.

2. Other nuclear experience

1 year experience in operational QA and startup QC programs.

3. Other related experience

2 years experience on plant maintenance at a fossil unit, Hudson Gen. Sta.

TITLE	INSTRUMENT SUPERVISOR
INCUMBENT	T. R. Robbins

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Verifying instrument calibrations or control adjustments that have vital operating significance, or are related to reactor safety.

Instructing and supervising technicians working instruments and controls are correct.

Scheduling maintenance, repair, inspection and calibration work of station instruments and controls.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

2. **Other formal training (related management and technical training/schools)**

U.S. Navy-Electronic Technician "A" School
U.S. Navy-Nuclear Power School

INCUMBENT	T. R. Robbins

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

P.S.E.&G. - Salem Gen. Sta. - 2 yrs. as Technician
- 4 1/2 yrs. Inst. Supr.

2. Other nuclear experience

U.S. Navy - 7 yrs. U.S. Navy Nuclear Power Program
- Reactor Operator and Watch Supervisor

3. Other related experience

TITLE	INSTRUMENT SUPERVISOR
INCUMBENT	Robert W. Vanderdecker, Sr.

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Verifying instrument calibrations or control adjustments that have vital operating significance, or are related to reactor safety.

Instructing and supervising technicians working instruments and controls are correct.

Scheduling maintenance, repair, inspection and calibration work of station instruments and controls.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

Diploma, Woodbridge High School, 1953

2. Other formal training (related management and technical training/schools)

1960 Steam Power Plant Machinary, Linden Gen. Sta.
1963 Basic Electricity Course " " "
1966 Basic Electronics Course Hudson Gen. Sta.
1973 Masoneilan Product Knowledge
Supervisory Training I (Elect)
Atomic Energy
Bailey Meter Co. 820 Control System
Nuclear Theory
Westinghouse AEH Turbine Control
1974 Electricity for Nuclear Power Plant Technician

INCUMBENT	R. W. VanderDecker, Sr.

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

7 years experience in nuclear instrumentation and control work at Salem Gen. Sta.

2. Other nuclear experience

3. Other related experience

Working on large turbine generator control systems and boiler control systems on fossil fueled units.
13 years experience

TITLE	INSTRUMENT SUPERVISOR
INCUMBENT	Terry Wright

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Verifying instrument calibrations or control adjustments that have vital operating significance, or are related to reactor safety.

Instructing and supervising technicians working instruments and controls are correct.

Scheduling maintenance, repair, inspection and calibration work of station instruments and controls.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

1 yr. Salem Coummunity College-Mechanical Tech
1 yr. RCA Tech Institute-Diploma-Computer Tech
2 mo. Salem County College-Electronics
2 yrs. Glassboro State College-Practical Arts - 30 credits

2. Other formal training (related management and technical training/schools)

Reactor Theory Course-3 mo.-General Physics
Elec. & Electronics - General Physics
Westinghouse ISD P-250 Computer Maint.-12 wks.-Diploma
1100 Executive Control Lanaguage
RCA Spectra Computer System Hardware - 13 weeks-Diploma

INCUMBENT	Terry Wright

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   2 years I & C Tech. at Salem Gen. Sta.
   5 years I & C Supervisor Salem Gen. Sta.

2. Other nuclear experience

3. Other related experience

   Instructor for RCA in Spectra Computer Systems-4 yrs.

TITLE	INSTR. SUPERVISOR
INCUMBENT	F. E. Mekulsia

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Verifying instrument calibration or control adjustments that have vital operating significance, or are related to reactor safety.

Instructing and supervising technicians working instruments and controls are correct.

Scheduling maintenance, repair, inspection and calibration work of station instruments and controls.

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   NONE

2. **Other formal training (related management and technical training/schools)**

   36 week Electronic Course - U.S. Air Force
   23 Day Electricity & Electronics Course - General Physics Corp.

INCUMBENT	F. E. Mekulsia

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

5 1/2 years Salem Generating Station - Instrument & Control Technician

1 1/2 " " " " - Inst. Supervisor

2. Other nuclear experience

3. Other related experience

14 years Linden Gen. Sta. - Perf. Dept. working in instrumentation and control, feedwater chemistry, and water purification.

TITLE	SENIOR PERFORMANCE SUPERVISOR-HP/CHEM.
INCUMBENT	J. Gueller

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Performing the duties of the Perf. Engr. for Chem/HP matter when Perf. Engr. is not on siste. Assisting the Performance Engineer in performing the duties of the Radiation Protection Manager per ANSI 18.1.
Providing direction to the Technical Supervisors.
Ensuring the development and implementation of chemical, radio-chemical and radiological procedures.
Monitoring the processing of radioactive waste to ensure that processing, storing and disposal are being conducted in accordance with established procedures and instructions.
Reviewing plant operations, as it relates to the chemical, radiochemical and radiological aspects.
Ensuring the implementation of the Radiological Safety Program.
Investigating particular plant problems or conditions relating to chemistry or radiation safety.
Providing design and engineering assistance related to system design changes or plant modifications

EDUCATIONAL BACKGROUND

1. **Formal education (degrees, college/university, year)**

   B. S. Chemistry, University of Hartford, 1974

2. **Other formal training (related management and technical training/schools)**

   U.S. Navy Nuclear Power School
   Engineering Laboratory Technician School

INCUMBENT	J. Gueller

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

18 years of Nuclear power experience at new or operating nuclear power stations including - 9 years at Conn Yankee (W - Pwr.)
2 years at Souther Calif. & Edison (W - Pwr.)
1 year at Illinois Power (GE-BWR)

2. Other nuclear experience

3. Other related experience

TITLE	TECHNICAL SUPERVISOR-RADIATION PROTECTION
INCUMBENT	D. Godlewski

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Evaluating the results of radiation surveys and radiochemical laboratory analyses of contamination samples.
Directing radiological safety controls in and around the station site.
Completing assigned technical specification surveillance requirements.
Directing radiation and contamination surveys in and around the station.
Grounding technical supervision for the decontamination of station areas, tools and components.
Monitor station activities to insure compliance with the Radiological Safety Program.
Maintaining cognizance of personnel radiation exposure records.
Issuing and reviewing Radiation Exposure Permits, and extended radiation exposure permits
Directing the Emergency Radiation Survey Team
Ensuring cleanliness requirements are maintained.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   NONE

2. Other formal training (related management and technical training/schools)

   1. University of Michigan School of Public Health (short course on Radiation Protection)
   2. Harvard School of Public Health, Air Sampling Techniques & Air Cleaning
   3. Radiation Management Corp. (Accident Management Seminar)
   4. Eberline Inst. Corp. (short course on Inst. Repair & Calib)

INCUMBENT	D. Godlewski

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

   1. Was a member of emergency team dispatched to TMI during initial stages of incident.

   8 years experience in Health Physics/Radiation Protection work at Salem Generating Station

2. Other nuclear experience

   6 years reprocessing plant in HP/Radiation Protection

3. Other related experience

TITLE	TECHNICAL SUPERVISOR - CHEMISTRY
INCUMBENT	MICHAEL C. STOCKNOFF

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of those personnel assigned to the chemistry group.
Monitoring station activities to insure compliance with the chemistry specifications.
Having samples taken and analyzed as required.
Reviewing sample results.
Assisting in the performance of radiation protection measures in and around the station.
Assisting in the safety reviews as required.
Supervising the unloading and handling of bulk chemicals.
Supervising both the chemistry and radiochemical laboratories.
Assisting in the review and evaluation of information derived from the off-site environmental monitoring program.
Monitoring in-line chemistry instrumentation supervising the chemical treatment activities (i.e., D.M. Plant, Condensate Polishing, Chemical Addition to Feedwater) at the station.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Penn State University, 1965 - 1966.
   City College of N.Y., 1966 - 1969, BS Chemistry.
   City University of N.Y. - Graduate School, 1969.
   Rutgers University, 1969 to present.
   Camden Community College, 1979.

2. Other formal training (related management and technical training/schools)

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

5 years of experience from Salem in Performance Department - HP/Chemistry Group.

2. Other nuclear experience

4 1/2 years of nuclear experience in radiochemistry, nuclear weapons design and control, and health physics with various nuclear support organizations.

3. Other related experience

Chemistry lab experience in material design.

TITLE	TECHNICAL SUPERVISOR - CHEMISTRY
INCUMBENT	GEORGE GIANGI

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of those personnel assigned to the chemistry group.
Monitoring station activities to insure compliance with the chemistry specifications.
Having samples taken and analyzed as required.
Reviewing sample results.
Assisting in the performance of radiation protection measures in and around the station.
Assisting in the safety reviews as required.
Supervising the unloading and handling of bulk chemicals.
Supervising both the chemistry and radiochemical laboratories.
Assisting in the review and evaluation of information derived from the off-site environmental monitoring program.
Monitoring in-line chemistry instrumentation supervising the chemical treatment activities (i.e., D.M. Plant, Condensate Polishing, Chemical Addition to Feedwater) at the station.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Syracuse University, BS Chemistry, 1974.

   Rensselaer Poly Technical Institute, MS Inorganic/Nuclear Chemistry, 1978.

2. Other formal training (related management and technical training/schools)

   Knolls Atomic Power Laboratory:
   1. Management Training Class.
   2. Mechanical Operators Training for Nuclear Power Plant.
   3. Chemistry & Health Physics Training for Nuclear Power Plant.

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

One year as Chemistry/Radiochemistry & Health Physics Technical Supervisor at Salem Generating Station.

2. Other nuclear experience

Four years experience at Knolls, Atomic Power Lab in the following capacities:

Chem. Engineer at a Navy Prototype Plant
HP/Chemistry instructor for Nuclear Navy
HP/Chemistry auditor

3. Other related experience

TITLE	TECHNICAL SUPERVISOR - CHEMISTRY
INCUMBENT	TRACY W. VANNOY

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of those personnel assigned to the chemistry group.
Monitoring station activities to insure compliance with the chemistry specifications.
Having samples taken and analyzed as required.
Reviewing sample results.
Assisting in the performance of radiation protection measures in and around the station.
Assisting in the safety reviews as required.
Supervising the unloading and handling of bulk chemicals.
Supervising both the chemistry and radiochemical laboratories.
Assisting in the review and evaluation of information derived from the off-site environmental monitoring program.
Monitoring in-line chemistry instrumentation supervising the chemical treatment activities (i.e., D.M. Plant, Condensate Polishing, Chemical Addition to Feedwater) at the station.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

2 years at University of Pittsburg, Mechanical Engineering.
Some courses at University of Delaware.

2. Other formal training (related management and technical training/schools)

USN Nuclear Power School & Prototype Training.
USN Engineering Laboratory Technician Training.

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

6 years experience at Salem Generating Station performing routine and special chemistry analyses and implementing the radiological protection program.

2. Other nuclear experience

USN - Leading Engineering Laboratory Technician aboard the USS Narwhal SSN 671 for 4 years.

3. Other related experience

TITLE	TECHNICAL SUPERVISOR - CHEMISTRY
INCUMBENT	BRUCE N. BOVANKOVICH

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Directing the activities of those personnel assigned to the chemistry group.
Monitoring station activities to insure compliance with the chemistry specifications.
Having samples taken and analyzed as required.
Reviewing sample results.
Assisting in the performance of radiation protection measures in and around the station.
Assisting in the safety reviews as required.
Supervising the unloading and handling of bulk chemicals.
Supervising both the chemistry and radiochemical laboratories.
Assisting in the review and evaluation of information derived from the off-site environmental monitoring program.
Monitoring in-line chemistry instrumentation supervising the chemical treatment activities (i.e., D.M. Plant, Condensate Polishing, Chemical Addition to Feedwater) at the station.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

   Currently attending college.

2. Other formal training (related management and technical training/schools)

   US Naval Nuclear Power School
   USN Engineering Laboratory Technician School.

INCUMBENT	

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

3 years experience in routine chemistry and HP plant related functions at Salem Generating Station.

2. Other nuclear experience

7 years Naval Nuclear Power (Engineering Laboratory Technician and Mechanical Operator).

One year Start-up Engineer at Salem Nuclear Generating Station.

3. Other related experience

TITLE	STATION PLANNING ENGINEER
INCUMBENT	G. C. Connor, Jr.

FUNCTIONS, RESPONSIBILITIES & AUTHORITY

Briefly describe your functions, responsibilities, and authority in the event of a TMI-2 type accident at Salem.

Establish a schedule for outages and a time frame for the completion on departmental work activities.
Coordinate departmental effforts in maint., repair and modification.
Develop work lists and plans for outages.
Prepare outage budgets and maintain outage cost control.
Be responsible for NPRDS reporting and analysis.
Identify all license or other commitments/requirements requiring inspection or tests to be sure they are scheduled into planned outages.
Provide operational support as necessary (SRO license) .
Assure the duties of EDO as necessary.

EDUCATIONAL BACKGROUND

1. Formal education (degrees, college/university, year)

B.S. Engineering - Widener College 1976
A.A. Mathematics & Science - Cumberland Co. Community College '72
Navy Nuclear Power School

2. Other formal training (related management and technical training/schools)

Navy Electrician School and various electrical speciality schools.
SRO training at Salem Generating Station
Westinghouse Simulator Training (Option II, 1973-74)

INCUMBENT	G.C. Connor, Jr.

EXPERIENCE

1. Directly related nuclear (that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident)

Engineering Watch Supervisor on USS Ethan Allen
June 1969-PS
70-Salem-Oper

2. Other nuclear experience

Engineering Watch Supervisor on USS Ethan Allen -seven years in Navy Nuclear Program.

3. Other related experience

June 1969-PS
10 years experience at Salem Generating Station
3 years in operations
5 years in maintenance
2 years in planning

NRC SURVEY OF MANAGEMENT
AND TECHNICAL RESOURCES

ORGANIZATION	TYPE & EXTENT OF SUPPORT	AVAILABILITY	AUTHORITY TO ALLOCATE	DURATION OF CONTRACT
Chem.-Nuclear	Radioactive liquid waste processing and radwaste disposal. Radwaste equipment operators. Amount of equipment immediately available varies with Chem.-Nucl. commitments.	Currently on-site, additional services & personnel avail. by telephone	Manager - Salem	Blanket P.O. renewed annually
Porter-Gertz	Technical consultant support in area of Health Physics and Emergency Planning.	Telephone	Currently on an open purchase order..... Manager - Salem or EDO	Expected to continue until Manager - Nuclear Operations staff assumes work. Blanket P.O. renewed annually.
Catalyic	Maintenance labor support-plt. equipment installation & repair 250 trade-labor personnel & supervisory personnel (will vary with plant conditions).	Currently available on-site, additional services & personnel avail. by telephone	Manager - Salem or Alternate	P.O. renewed every 2 yrs.
Rad Services	Health Physics manpower support 30 trained personnel currently, on-site.	Currently available on-site, additional personnel by telephone	Manager - Salem or EDO	Blanket P.O renewed annl.
Radiation Management Corpo.	Medical Facilities and personnel, whole body counting, mobile field laboratory for sample analysis, off-site dosimetry equipment	Telephone	Manager - Salem or EDO	Support expected for life of station. P.O. renewed
Icthyological Associates	Consultant and sampling of marine environment (Delaware River)	Telephone	Licensing Manager	P.O. without specified exp. date. P.O. is renewed annually.
Westinghouse	Have agreement for nuclear equip. and services in all aspects of nuclear plant engg.	Westinghouse personnel currently on-site thru #2 startup. Additional support avail. by telephone	Manager - Salem or EDO	Agreement for services for life of plant. Various contracts & P.O.
WISCO	Instrumentation & Controls Techn. personnel with superv. Have 18 total on contract and available (will vary with plant conditions).	Currently on-site, additional services & personnel avail. by telephone contract	Manager - Salem or EDO	Purchase order renewed annually.