



ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.  
VICE PRESIDENT

TELEPHONE  
AREA CODE 716 546-2700

August 14, 1979

Director of Nuclear Reactor Regulation  
ATTN: Mr. Walter P. Haass, Chief  
Quality Assurance Branch  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Information Required to Review Corporate Capabilities  
R. E. Ginna Nuclear Power Plant, Unit No. 1  
Docket No. 50-244

Dear Mr. Haass:

The information required in Mr. Denton's letter dated June 29, 1979 is included in the following Attachments.

An organization chart, Attachment A-1, shows the RG&E Senior Management structure. In case of an incident, all divisions would respond in their specialties to the needs of the Vice President, Electric Production. The second organization chart, Attachment A-2 Electric Production, shows the specific management organization of the Electric Production Department. The personnel specifics as requested in the letter are included in Attachment A-3. Also included in this Attachment are the qualifications of three consultants who have served as members of the Offsite Safety Board since its inception in 1969. Offsite support capabilities in the areas of Fuel Management and Computer Technology (Ginna specific) are included.

Attachment B-1 is a chart showing the Ginna Station organization. Attachment B-2 is a narrative description of the key positions, and Attachment B-3 supplies the information requested for the personnel filling these positions.

Attachments C-1 and C-2 supply the offsite engineering organization chart and a summary of the information requested in your letter.

As requested by you, thirty-nine additional copies of this letter and its attachments are provided.

Very truly yours,

*L. D. White, Jr.*  
L. D. White, Jr.

Attachments

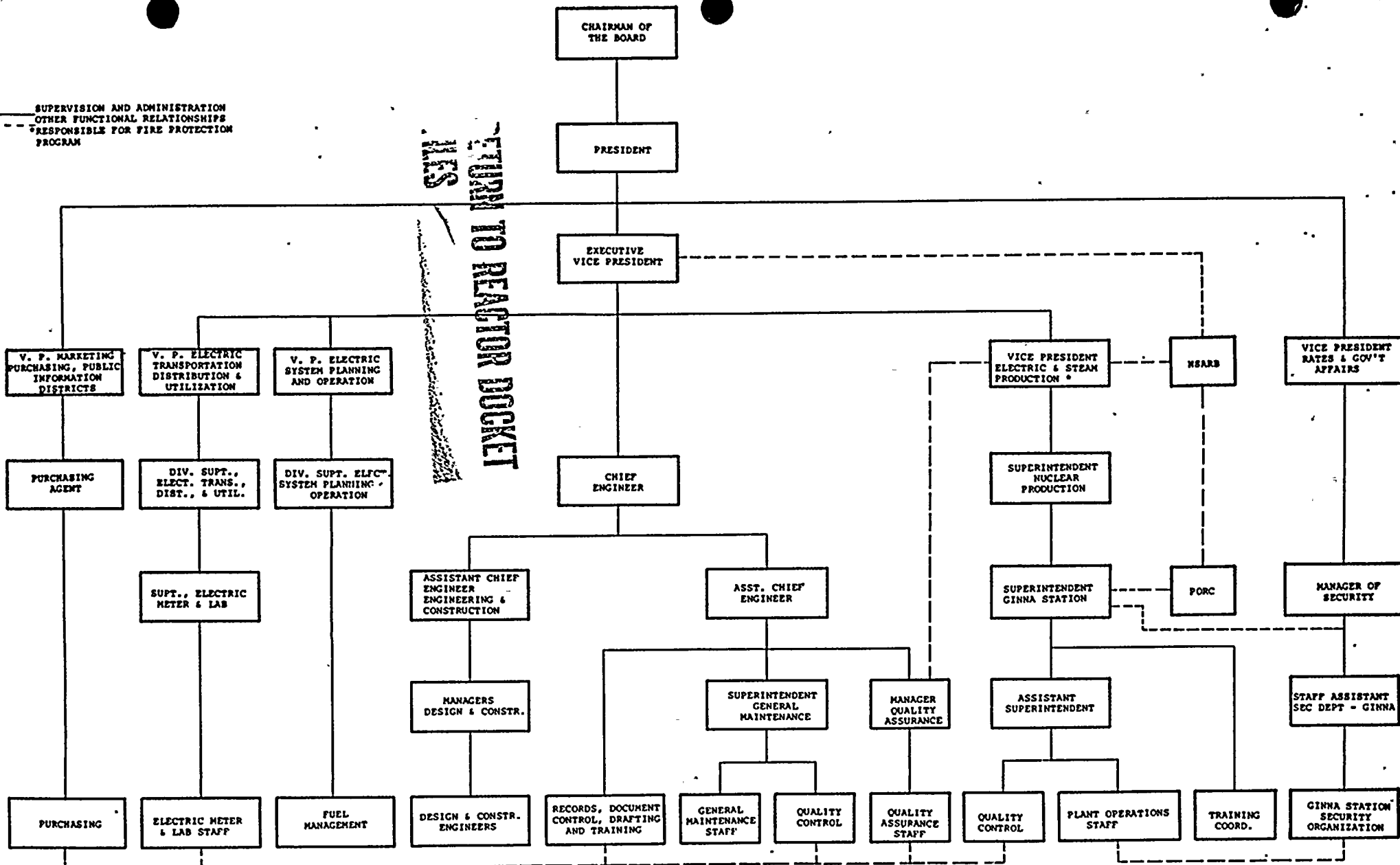
7 908170 385

A036  
S  
10/40

H

SUPERVISION AND ADMINISTRATION  
 OTHER FUNCTIONAL RELATIONSHIPS  
 RESPONSIBLE FOR FIRE PROTECTION  
 PROGRAM

RETURN TO REACTOR DOCKET  
 FILES



50-244  
 57-8-14-79  
 19081-0885

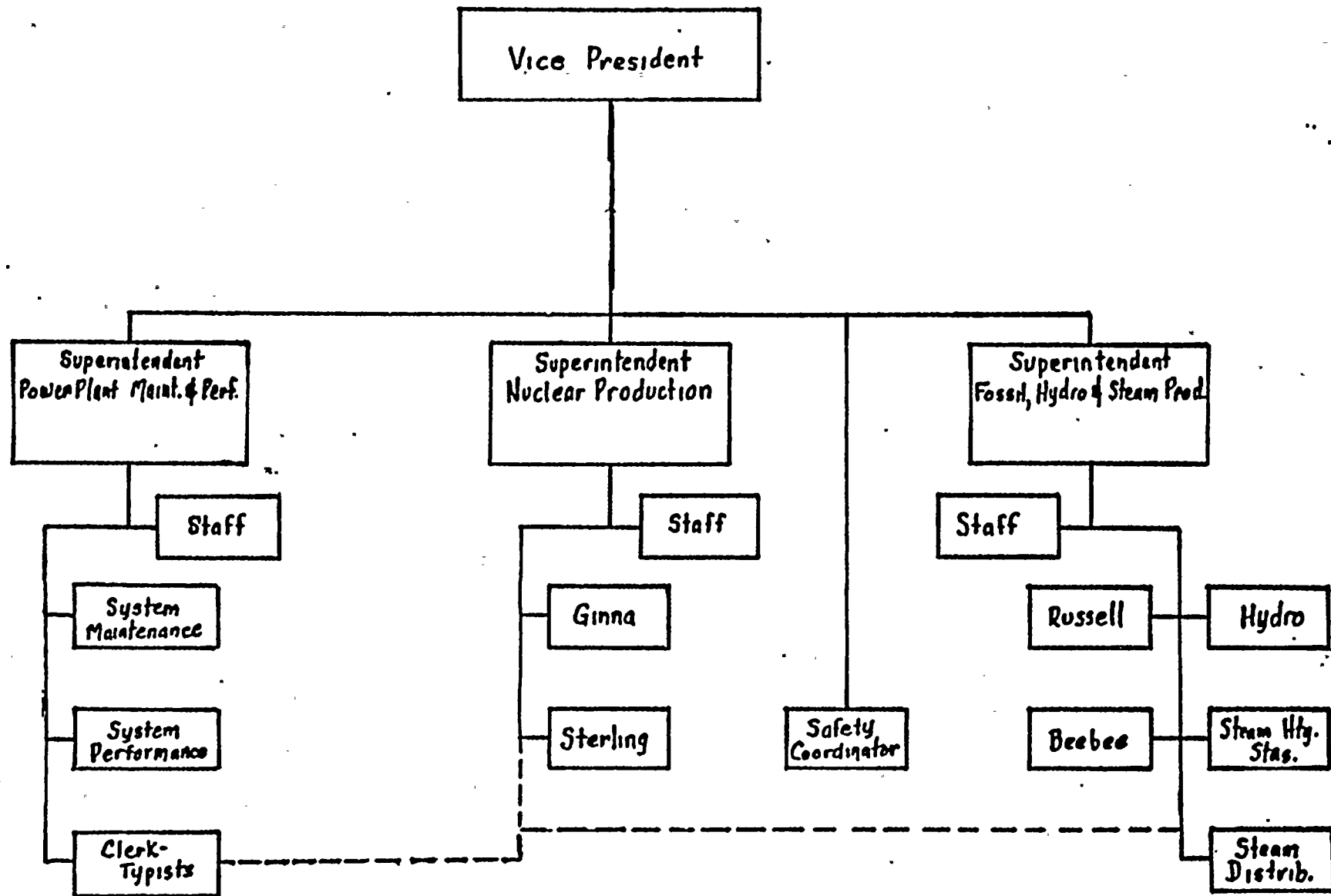
RETURN TO REACTOR DOCKET  
 FILES

Attachment A-1

RG&E SENIOR MANAGEMENT



# Electric & Steam Production



## Attachment A-3

## ELECTRIC PRODUCTION MANAGEMENT PERSONNEL

VICE PRESIDENT - ELECTRIC AND STEAM PRODUCTION

Corporate responsibility for the operation of Ginna Station in accordance with applicable regulatory requirements. He is responsible for establishing the policies and requirements necessary to assure safe and reliable operation of Ginna Station.

SUPERINTENDENT - NUCLEAR PRODUCTION

Responsible for the administration of the corporate policies of Ginna Station.

DIRECTOR, STRATEGIC AND FUEL PLANNING

Responsible for supervising the planning and coordinating of all activities related to the procurement of nuclear fuel.

SUPERINTENDENT, POWER PLANT MAINTENANCE/SYSTEM PERFORMANCE

Provides scheduling and technical direction for maintenance in the Electric and Steam Production stations, and has overall responsibility for performance testing of their equipment and systems.

STAFF ASSISTANT, ELECTRIC PRODUCTION PERFORMANCE

Responsible for determination of efficiencies and performance of electric generating units in Electric Production Department.

SENIOR SYSTEMS ANALYST, ELECTRIC SYSTEMS PLANNING AND OPERATION

Provide technical direction to Ginna Station computer technicians.

L. D. White, Jr.

POSITION:

Vice President - Electric and Steam Production

EDUCATIONAL BACKGROUND:

- B.M.E., Clarkson College of Technology, 1947
- Nuclear Theory Course, Stoller Assoc., 1965-1966
- Nuclear Theory Laboratory Course, University of Rochester, 1965
- Westinghouse Nuclear Power, PWR Orientation, 1966
- Nuclear Safety Course, Massachusetts Institute of Technology, 1968

APPLICABLE WORK EXPERIENCE:

- 1937-1956 Operator, shift foreman, engineer, and supervision in operations and maintenance in various fossil-fired stations
- 1957-1974 Superintendent of Generation, General Superintendent of Transmission, Distribution and Generation
- 1974-present Vice President, Electric and Steam Production

OTHER INFORMATION:

- Member Nuclear Safety Audit and Review Board, 1969-1978
- Chairman Nuclear Safety Audit and Review Board, 1978-present
- Member EEI Prime Movers Committee, 1956-present

L. S. Lang

POSITION:

Superintendent, Nuclear Production

EDUCATIONAL BACKGROUND:

- B.M.E., Clarkson College of Technology - 1952
- Nuclear Theory Course, Stoller Assoc. - 1965
- Nuclear Theory Lab Course, University of Rochester - 1965
- Westinghouse, Reactor Operator Training Program - 1967
- Westinghouse, Saxton Reactor Training Program - 1967
- Massachusetts Institute of Technology, Nuclear Safety Course - 1968

APPLICABLE WORK EXPERIENCE:

Rochester Gas and Electric Corporation

- 1952-67 Operations and maintenance supervision at various coal fired stations in the RG&E system
- 1968-77 Assistant Superintendent, Ginna Station
- 1977-78 Superintendent, Ginna Station
- 1978-present Superintendent, Nuclear Production

Other

RO License, Saxton, PA. reactor

SRO License, Ginna Station 1969-77

Startup Testing and original Fuel Loading - Ginna Station

Regular Member of NSARB 1969-present

Member of the SNUPPS (Sterling Unit)

Operations Committee 1975-present

Member EEI Nuclear Subcommittee 1977-present



POSITION:

Superintendent, Power Plant Maintenance/System Performance

EDUCATIONAL BACKGROUND:

- B.S. Mechanical Engineering - Pennsylvania State University, 1948
- Nuclear Power Course, Ginna Training Program
- Job Management Training Program
- Public Utilities Regulation Guide Utility Training Program

APPLICABLE WORK EXPERIENCE:

Rochester Gas and Electric Corporation

- Superintendent, Power Plant Maintenance/System Performance, 7/1/78 - Present
- Superintendent, Power Plant Maintenance, 8/1/74
- General Foreman, Mechanical Maintenance, 8/1/67
- Department Superintendent "C", 6/1/59
- Foreman, various grades, 1951-1959 - Training in maintenance of hydro and steam stations under General Foreman, Mechanical Maintenance
- Test Engineer, various grades, training in Russell Station 5/49-4/51 in operation and maintenance including time in Engineering Department assisting in Russell Station design
- Test Engineer, hired 6/16/48, Beebee Station, training in operation of coal fired plant.

OTHER INFORMATION:

- Have attended many seminars on plant related devices and subjects including vibration, lubrication, performance analysis.
- Maintain activity in ASTM and ASLE.

G. H. Paris

POSITION:

Staff Assistant, Electric Production Performance

EDUCATIONAL BACKGROUND:

- Electrical Diploma, RIT Night School - 1952
- Electronic Systems and Applications, RIT - 1960
- Mathematics (MAT-099)(MAT-090), Monroe Community College
- Bailey Meter School
- Foxboro Instrument Maintenance
- Foxboro Instrument Engineering
- Magnaflux School
- Sensor Response Time Seminar, University of Tennessee
- Westinghouse Head Start School
- RG&E Nuclear Course - Professor Bartlett - University of Rochester
- RG&E Nuclear Course - Doctor Gellar - Stoller Associates

APPLICABLE WORK EXPERIENCE:

Rochester Gas and Electric Corporation

- 7/1/79 - present Staff Assistant, Electric Production Performance
- 10/75 - 7/79 I/C Supervisor, Ginna Nuclear Power Plant  
Westinghouse, PWR
- 1/68 - 10/75 I/C Foreman, Ginna Nuclear Power Plant,  
Westinghouse, PWR
- 10/59 - 1/68 I/C Foreman Fossil Fuel Plants (Station 3 and Station 7)
- 10/45 - 10/59 I/C Repairman
- 1/39 - 10/45 U.S. Navy Ship Engine Rooms Operation,  
Maintenance and as Engineering Officer

OTHER INFORMATION:

Involved in all RG&E construction and startup of major generation units since 1946 in instrument and control areas.

Temporarily assigned to Engineering Department for Ginna project in 1967. Worked in Pittsburgh, Pennsylvania with Westinghouse on design of control systems and main control board.

Worked in Foxboro, Massachusetts on testing of control racks for protection and safeguard systems, including process control systems.

## A. A. FUIERER

POSITION:

Director, Strategic and Fuel Planning

EDUCATIONAL BACKGROUND:

- B.S. Chemical Engineering - University of Rochester, 1957
- Post Graduate Courses in Accounting, Statistics, Mathematics and numerical analysis
- Nuclear Power Course, Ginna Training Program
- NUS Fuel Management Course
- NUS Core Analysis Course
- Miscellaneous courses outside nuclear discipline in economics, management training and computers.

APPLICABLE WORK EXPERIENCE:

Rochester Gas and Electric Corporation

- Electric System Planning and Operations
  - June 1978 - Present      Director, Strategic and Fuel Planning
  - Oct. 1973 - June 1978      Manager, Electric System Generation and Planning
  - Feb. 1958 - Oct. 1973      Electric System Planning Engineer
- Russell Station
  - Aug. 1957 - Jan. 1958      Technical Engineer

Responsible for nuclear fuel management since 1967.

OTHER INFORMATION

- 1972 - 1978 Member EEI Engineering and Technical Systems Computer Committee
- 1975 - 1977 Chairman, Power Plant Subcommittee
- 1975 - Present, Chairman New York Power Pool Fuel Planning Advisory Subcommittee
- July 1979 - Present, Chairman Atomic Industrial Forum Spent Fuel Storage Subcommittee

Robert C. Rathke

POSITION:

Senior Systems Analyst Electric Systems Planning and Operations  
Provides technical direction for computer technicians at Ginna Station.

EDUCATIONAL BACKGROUND:

- A.A.S. Electronics, Mohawk Valley Tech. Inst. - 1966
- Rochester Institute of Technology, Evening Division - 4 years
- Taylor Instrument Co. Instrumentation Course - 1968
- Foxboro Fundamentals of Electronic Instrumentation - 1969
- Foxboro Electronic Instrument Maintenance and Repair - 1970
- Westinghouse Corp. P-250 Computer Maintenance - 1971
- Data General Corp. Introduction of Operating Systems - 1977
- Advanced Operating Systems - 1977
- Data Base Management - 1978

APPLICABLE WORK EXPERIENCE

Rochester Gas and Electric Corporation

- Electric Systems Planning and Operations  
December 1974 - Present  
Systems Analyst
- R.E. Ginna Nuclear Power Station (Westinghouse PWR)  
1970-1974 I&C Technician  
1969-1970 I&C Repairman
- Beebee Power Plant  
1966-1969 I&C Repairman  
1965-1966 Operations Handyman

ROCHESTER GAS AND ELECTRIC CORPORATION

Ginna Station Nuclear Safety Audit and Review Board Member Qualification Record

In order to demonstrate compliance with Technical Specification NSARB qualification requirements, please provide the appropriate information.

NAME: J. M. Callagher, Jr. DATE: August 3, 1979

Academic Training: Mark with a check by training received; if equivalent training applies, give details under Additional Information below.

Engineering graduate x Physics graduate                     

Field of Experience: Note years of experience. Refer to Tec. Spec. 6.5.2.4 item indicated by ( ).

reactor engineering (a)	<u>      </u> yr.	reactor control and instrumentation (f)	<u>22</u> yr.
responsible engineering management (a,b)	<u>      </u> yr.	power plant operations (g)	<u>      </u> yr.
utility operations (b)	<u>      </u> yr.	safety analysis (h)	<u>      </u> yr.
reactor physics (c)	<u>      </u> yr.	chemistry and radiochemistry (i)	<u>      </u> yr.
heat and fluid flow analysis (d)	<u>      </u> yr.	radiological safety (j)	<u>      </u> yr.
environmental hazard analysis (e)	<u>      </u> yr.		

Additional Information:

ROCHESTER GAS AND ELECTRIC CORPORATION

Ginna Station Nuclear Safety Audit and Review Board Member Qualification Record

In order to demonstrate compliance with Technical Specification NSARB qualification requirements, please provide the appropriate information.

NAME: Frank Schwoerer DATE: August 3, 1979

Academic Training: Mark with a check by training received; if equivalent training applies, give details under Additional Information below.

Engineering graduate M.S. Physics graduate

Field of Experience: Note years of experience. Refer to Tec. Spec. 6.5.2.4 item indicated by ( ).

reactor engineering (a)	<u>18</u> yr.	reactor control and instrumentation (f)	<u></u> yr.
responsible engineering management (a,b)	<u>26</u> yr.	power plant operations (g)	<u></u> yr.
utility operations (b)	<u></u> yr.	safety analysis (h)	<u>10</u> yr.
reactor physics (c)	<u>15</u> yr.	chemistry and radiochemistry (i)	<u></u> yr.
heat and fluid flow analysis (d)	<u>28</u> yr.	radiological safety (j)	<u></u> yr.
environmental hazard analysis (e)	<u></u> yr.		

Additional Information:

ROCHESTER GAS AND ELECTRIC CORPORATION

Ginna Station Nuclear Safety Audit and Review Board Member Qualification Record

In order to demonstrate compliance with Technical Specification NSARB qualification requirements, please provide the appropriate information.

NAME: G. Hoyt Whipple DATE: August 3, 1979

Academic Training: Mark with a check by training received; if equivalent training applies, give details under Additional Information below.

Engineering graduate \_\_\_\_\_ Physics graduate B.S. Chemistry, Ph.D. Biophysics

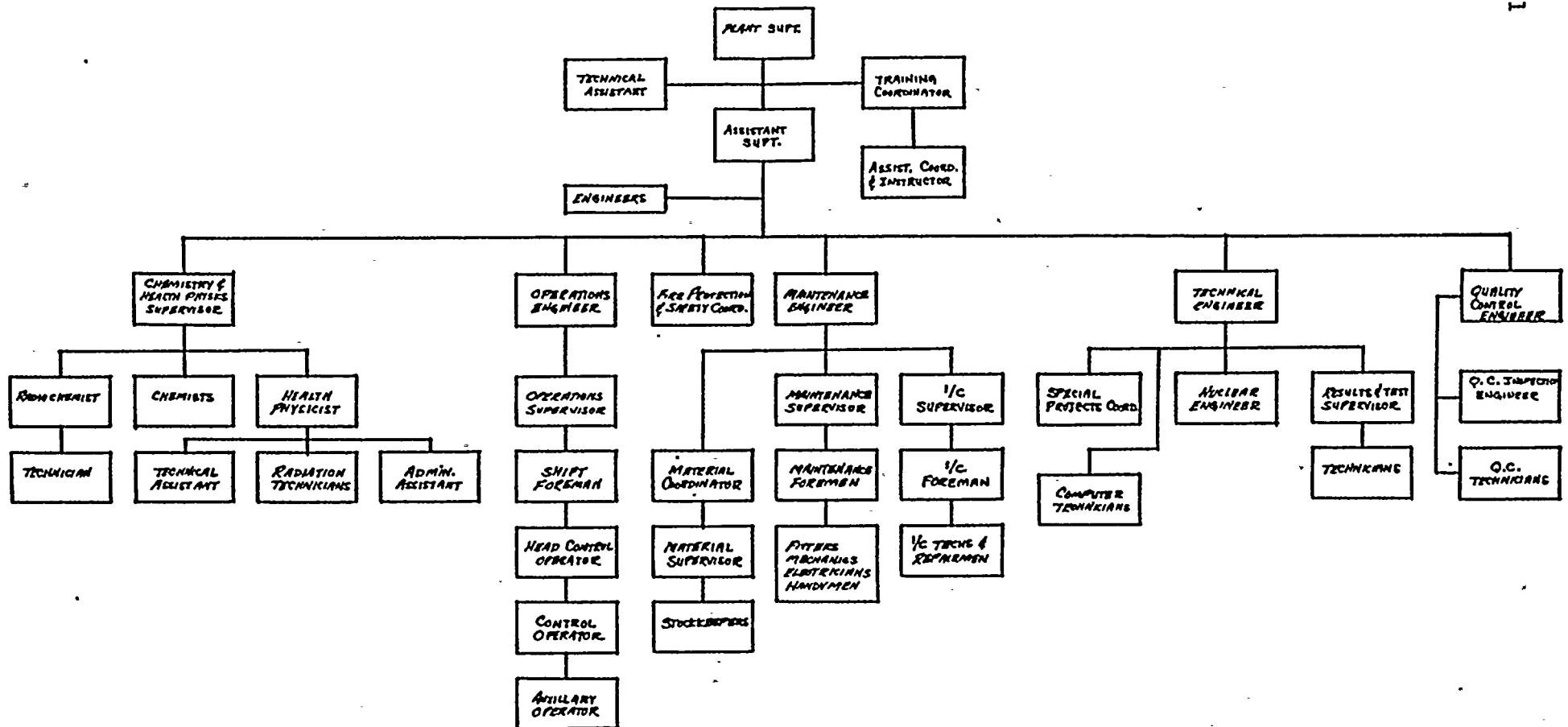
Field of Experience: Note years of experience. Refer to Tec. Spec. 6.5.2.4 item indicated by ( ).

reactor engineering (a)	_____ yr.	reactor control and instrumentation (f)	_____ yr.
responsible engineering management (a,b)	_____ yr.	power plant operations (g)	_____ yr.
utility operations (b)	_____ yr.	safety analysis (h)	_____ yr.
reactor physics (c)	_____ yr.	chemistry and radiochemistry (i)	<u>10</u> yr.
heat and fluid flow analysis (d)	_____ yr.	radiological safety (j)	<u>28</u> yr.
environmental hazard analysis (e)	<u>28</u> yr.		

Additional Information:

- 1) Taught graduate courses in radiation protection since 1950.
- 2) Served as consultant on radiation protection, both environmental and in-plant, since 1954.
- 3) Certified by the American Board of Health Physics, and by the American Board of Industrial Hygiene in radiological aspects.

# ROCHESTER GAS & ELECTRIC CORPORATION GINNA STATION







## Attachment B-2

## KEY POSITIONS IN THE GINNA STATION ORGANIZATION

PLANT SUPERINTENDENT

To administer and direct the overall operations of Ginna Station in the production of electricity.

ASSISTANT SUPERINTENDENT

Assist the Plant Superintendent with the administering and directing the overall operations of Ginna Station.

TRAINING COORDINATOR

The primary function of the Training Coordinator is to direct and administer the following training programs for personnel at Ginna Station: Administrative Controls; Health Physics Orientation; System Familiarization; Auxiliary Operator Qualification; N.R.C. Licensing Training; and Operator Requalification.

OPERATIONS ENGINEER

The Operations Engineer is responsible and has authority for insuring the safe and efficient operation of the Plant, in accordance with applicable station licenses, operating procedures, emergency operating procedures, technical specifications and safety rules.

OPERATIONS SUPERVISOR

Provide a comprehensive day by day review of Plant activities to preclude possible Tech. Spec. violations. Also provide for the early detection of Plant problems and establish proper planning of operational activities on a short term basis.

MAINTENANCE ENGINEER

The Maintenance Engineer is responsible for the proper maintenance of all Plant components, equipment, instruments and buildings.

MAINTENANCE SUPERVISOR

Responsible for the proper maintenance of all Plant components, equipment, instruments, and buildings.



### INSTRUMENT AND CONTROL SUPERVISOR

General Supervision of Instrument and Control Group to provide technical guidance for maintenance, calibration, testing and upgrading (when required) of all installed Instrumentation and Control Systems associated with the Nuclear Reactor, its Auxiliary Systems and Conventional Steam portion of the Plant.

### TECHNICAL ENGINEER

The Technical Engineer is responsible for the Technical Group which include the Nuclear Dept., Results and Tests, Mechanical/Electrical Engineering, Computer Sections, and Special Projects.

### RESULTS AND TESTS SUPERVISOR

Responsible for ensuring that all Technical Specifications Surveillance items pertaining to safety related equipment and/or systems are adequately checked and tested in accordance with requirements and frequency as reflected in Plant Technical Specifications and QA Manual Appendices B, C.

### NUCLEAR ENGINEER

Insure safe and efficient operation of the reactor.

### SUPERVISOR OF CHEMISTRY & HEALTH PHYSICS

Provide a comprehensive day by day review of Plant activities to preclude possible Tech. Spec. violations. Also provide for the early detection of Plant problems and establish proper planning of operational activities on a short term basis.

### CHEMIST

The main function of this position is to oversee the chemical control of all non-radioactive systems at the Plant site. This includes both the environmental systems, such as Plant Waste and Circulating Water Systems; the Plant Systems, such as Feedwater, Makeup Water and Steam Generator Water Systems.

### HEALTH PHYSICIST

The prime function of the Health Physicist is to establish procedures, methods and standards necessary to carry out radiation monitoring programs, coordinate activities of the Health Physics group with those of other Plant groups, conduct investigations, inspections, surveys and tests to insure compliance with Federal, State, and Company regulations on personnel radiation exposure, radioactive effluent releases and radioactive concentrations in plant systems, radiation and radioactivity levels in the environment.

### QUALITY CONTROL ENGINEER

To supervise the station Quality Control organization and responsible for assuring that activities affecting quality are prescribed and carried out in accordance with approved drawings, specifications and procedures.

### PLANT SERVICES ENGINEER

Responsible for coordination of systems modifications including procedural development, procurement of materials and services, and technical construction support.

### RADIO-CHEMIST

The function of this position is to oversee the chemical analysis of all systems which contain radioactive materials or have the potential of being radioactive. This includes primary and auxiliary systems, wastes and environmental samples.

### FIRE PROTECTION & SAFETY COORDINATOR

To supervise a fire loss prevention program and develop the planning, policies and procedures to protect employees, property, public and continuity of operations; and assume responsibility for fire fighting training for the plant personnel and fire brigade. Administer and coordinate the overall safety program.

: QUALITY CONTROL INSPECTION ENGINEER

Responsible for the implementation of the Inspection requirements of the Inservice Inspection Program and the Quality Assurance Program through the supervision of inspection personnel, review of Plant procedures for incorporation of inspection requirements, surveillance of Plant maintenance and modification activities, review of quality related purchase requisitions, generation of acceptance criteria for all of the above and evaluation of the resulting data.

TECHNICAL ASSISTANT TO PLANT SUPERINTENDENT

Advise the plant superintendent and assist plant staff in all matters regarding radiological and system safety; identify, evaluate, and eliminate safety problems. The objective of this position is to assure that the plant is operated safely and in accordance with the NRC, state and local regulations and company and station policies and rules.

## Attachment B-3

## GINNA STATION PROFESSIONAL LEVEL PERSONNEL



B.A. Snow

POSITION:

Plant Superintendent

EDUCATIONAL BACKGROUND:

- B.S. Mechanical Engineering - Rochester Institute of Technology, 1966
- A.A.S. Mechanical Engineering, Rochester Institute of Technology, 1963
- 39 quarter credit hours toward M.S. in Mechanical Engineering, Rochester Institute of Technology
- Nuclear Power Course, Ginna Training Program
- Circuit Analysis Courses, Rochester Institute of Technology, Evening Division
- Job Management Training Program, 1968

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)
  - July 1978-Present      Plant Superintendent
  - Jan 1977-July 1978      Assistant Plant Superintendent
  - Oct 1973-Jan 1977      Operations Engineer
  - 1969-Oct 1973      Station Engineer. Participated in initial startup testing program.
- Steam Distribution Department  
1968-1969      Participated in steam piping design and construction.
- BeeBee Power Station  
1966-1968      Involved in operations and staff training programs. Also coordinated air pollution equipment testing program.
- 1964-1966      Co-op student.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1971 and continues to hold same license.
- Participates in SRO license requalification training and simulator training.

J.C. Noon

POSITION:

Assistant Station Superintendent

EDUCATIONAL BACKGROUND:

- M.B.A. Business Administration, University of Rochester, 1974
- B.S. Mechanical Engineering - Nuclear Option, University of Notre Dame, 1964

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)
  - July 1978-Present      Assistant Station Superintendent. Supervise activities of station employees through section supervisors. Plan and coordinate refueling outages and extended shutdowns.
  - 1973-July 1978      Maintenance Engineer. Responsible for all plant maintenance.
  - 1971-1973      Technical Assistant to the Plant Superintendent. Reviewed plant operation conditions.
  - 1967-1971      Assistant Station Engineer. Developed & coordinated on-site training program for operating personnel. Acted as assistant operations engineer during initial plant testing and operations.
- Consumers Power Company
  - Big Rock Nuclear Power Station (GE-BWR)
    - 1967      General Engineer. Assisted Maintenance Supervisor with personnel, equipment history and records.
    - 1965-1967      Associate Engineer. Performed engineering projects and participated in training program to learn functional duties of department supervisors.
  - B.C. Cobb Power Station
    - 1964-1965      Graduate Engineer. Assisted operations and maintenance department.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1969 and continue to hold same license.
- Participates in SRO license requalification training and simulator training.

J.F. Sweet

POSITION:

Technical Assistant to the Superintendent

EDUCATIONAL BACKGROUND:

- B.S. Mechanical Engineering - Union College, 1960
- Introduction to Nuclear Power, University of Rochester
- Nuclear Theory, Stoller Associates
- Nuclear Theory Laboratory, University of Rochester
- Westinghouse Corp., Reactor Operator Training Program, 1967
- Westinghouse Corp., SNEC FWR Training Program, 1967
- Westinghouse Corp., Ginna, Reactor Physics, plant systems, 1967
- Westinghouse Corp., Headstart Training Program for SNUPPS Engineering Personnel

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
1973-Present      Technical Assistant to the Superintendent. Responsible for assuring safe plant operations and special assignments.  
  
Also participated in writing PSAR for SNUPPS-Sterling Project and SNUPPS power block design review.
- 1968-1973      Operations Engineer. Participated in fuel loading, pre-operational testing and startup of Ginna Station. Also participated in preparing operating procedures and reviewing all plant procedures.
- Russell Power Station  
1960-1967      Involved with operations and maintenance supervision.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1969 and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Participates as staff for NSARB.
- Received RO license at Westinghouse experimental reactor at Saxton, Pa, 1967.

C.H. Peck

POSITION:

Operations Engineer

EDUCATIONAL BACKGROUND:

- B. S. Electrical Engineering - Rochester Institute of Technology, 1964
- A. A. S. Electrical Technology - Hudson Valley Community College, 1960
- Two years Chemistry, SUNY - Albany
- Nuclear Theory Course, Stoller Assoc., 1965
- Nuclear Theory Laboratory Course, University of Rochester, 1965
- Westinghouse Corp., Reactor Operator Training Program, 1967
- Westinghouse Corp., SNEC FWR Training Program, 1967
- Westinghouse Corp., Flux mapping, Core Loading, Physics Testing, 1967
- Westinghouse Corp.- Ginna, Reactor physics, plant systems, 1967

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)
  - Jan 1977-Present      Operations Engineer
  - 1968-Jan 1977      Nuclear Engineer

Other Information:

- Obtained SRO license in 1969 at Ginna Nuclear Station and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Obtained RO license at Westinghouse experimental reactor at Saxton, Pa. 1967.

S.M. Spector

POSITION:

Maintenance Engineer

EDUCATIONAL BACKGROUND:

- B. S. Nuclear - Materials Engineering, University of Missouri-Rolla, 1972

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)

July 1978-Present      Maintenance Engineer

May 1978-July 1978      Nuclear Engineer

Aug 1973-May 1978      Station Engineer. Participated in training program for SRO license and assigned as assistant to Maintenance Engineer.

Babcock & Wilcox

June 1972-Aug 1973      Assistant materials engineer - nuclear components department.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1974 and continue to hold same license.
- Participate in SRO license retraining and simulator training.
- Participate in training program at the University of Missouri experimental reactor.

G.F. Larizza

POSITION:

Technical Engineer

EDUCATIONAL BACKGROUND:

- M. Eng. Nuclear Engineering - Pennsylvania State University - University Park 1969
- B. S. Mechanical Engineering - Rochester Institute of Technology, 1967
- A. A. S. Mechanical Technology - SUNY at Alfred, 1964
- Completed special Supervisory Program at Penn State TRIGA Reactor
- Completed PWR Technology Course at Babcock & Wilcox covering Nuclear Instrumentation & Controls, Reactor Protection Systems, Transient Analysis and Integrated Control Systems - 8 weeks in 1969.

APPLICABLE WORK EXPERIENCE:

## Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
June 1978-Present      Technical Engineer. Responsible for minor modifications safety analysis and design criteria. Manager of TMI Accident - Ginna Station Task Force, fire prevention modifications, R&D Eseecco funded B&W selfpowered nuclear detector program. Responsible for 10 CFR 21 evaluation.
- June 1973-June 1978      Nuclear Engineer. Responsible for three refuelings, zero power physics testing, fuel analysis, fuel inspection, spent fuel pit expansion modification, and reviewed and evaluated the safety analysis and transient analysis for the new fuel supplier.

## Metropolitan Edison Co.

- Three Mile Island Nuclear Power Station, Unit 1 (B&W - FWR)  
August 1969-June 1973      Nuclear Engineer. Member of core design task group, initial test group for Unit 1, initial fueling task group. Participated in FSAR preparation for Units 1 and 2.
- Oyster Creek Nuclear Power Station (GE - BWR)  
Jan. 1969-Aug. 1969      Nuclear Engineer. Participated in initial refueling and startup.

## Penn State TRIGA Reactor Facility

Sept. 1967-Jan. 1969      Graduate Student.

Other Information:

- Awarded AEC scholarship for graduate studies in Nuclear Engineering.
- Obtained RO License at Penn State TRIGA Reactor 1968.
- Obtained SRO License at Ginna Nuclear Station in 1974 and continue to hold same license.
- Participate in SRO License retraining and Simulator Training.
- Taught Nuclear Reactor Theory.
- Managing Task Force that was formed after the TMI Accident to evaluate and implement changes to Ginna Reactor analysis, systems, emergency, operating and surveillance procedures, NRC directives, questions and bulletins.

T.A. Meyer

POSITION:

Nuclear Engineer

EDUCATIONAL BACKGROUND:

- B. S. Nuclear Physics, University of Toronto, 1974
- Grade XIII Equivalent Course, St. Michael's College University of Toronto, 1971

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
July 1978-Present      Nuclear Engineer. Also responsible for assisting the Technical Engineer with special projects.  
May 1974-July 1978      Station Cadet Engineer

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1975 and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Coordinator for fire protection - systems modification program.
- Coordinator minor modifications program.
- Refueling Coordinator - 1979 Annual Inspection & Refueling Outage.
- Refueling SRO - 1976 Annual Inspection & Refueling Outage.
- Member Procedure Development Group, SNUPPS, Sterling Project, 1978.
- Conducted New Systems Startup Testing Program.





J. T. St. Martin

POSITION:

Assistant Station Engineer

EDUCATIONAL BACKGROUND:

- B.A. Mathematics, College of St. Thomas Minnesota, 1968
- Naval Officer Candidate School, Newport, Rhode Island, 1969
- Naval Nuclear Power School, Vallejo, California
- Naval Nuclear Power Training Unit, Idaho Falls, Idaho, 1971

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
Feb 1975-Present      Assistant Station Engineer. Responsible for coordination, scheduling, and documentation of routine construction activities.

U. S. Navy

1972-1974

Division Officer, USS Queenfish SSN651. Supervised operation, maintenance, and repair of nuclear reactor systems. Managed and directed the system inspection and operational testing program during shipyard overhaul.

1971-1972

Division Officer, USS Ethan Allen SSBN608. Supervised operation, maintenance, and repair of nuclear reactor systems.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1975 and continue to hold same license.
- Participate in SRO license regualification training and simulator training.
- Participated as a member of refueling crew during 1975 Annual Inspection and Refueling outage.

C. Rioch

POSITION:

Plant Services Engineer

EDUCATIONAL BACKGROUND:

- B. S. Mechanical Engineering - Rochester Institute of Technology, 1976
- Received Journeyman rating as Machine Toolmaker, U.S. Munitions Command, 1967

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
1978-Present      Plant Services Engineer. Responsible for coordination of Engineering outputs with field installation groups as to technical direction, cost and schedule of modification activities.
- 1976-1978      Cadet Engineer. Assigned as Modification Coordinator in Quality Control section, to assure proper documentation of modification activities.
- General Maintenance  
1970-1976      Mechanic Inspector. Responsible for supervision and training of mechanics and helpers in inspection/repair of all material handling equipment for both nuclear and non-nuclear application. Prepared maintenance and inspection procedures for cranes and portable lifting equipment.
- General Dynamics Electronic Division
- 1967-1970      Mechanical Engineering Aid. Assisted in development of prototype and retrofit packages developed for Communications Security group. Responsible for initial layouts, liaison with support craft, and control of fabrication and mechanical procurment for prototype communication units.
- MUCOM Picatinny Arsenal
- 1963-1967      Toolmaker. Developed prototype designs and fabrication schedules for the Lance Missile project under the direction of the Nuclear Engineering Group. Directed supervision of personnel during the fabrication phase.

T. A. Marlow

POSITION:

Station Cadet Engineer

EDUCATIONAL BACKGROUND:

- B. S. Electrical Engineering - Rochester Institute of Technology, 1977
- A. A. S. -Rochester Institute of Technology, 1974

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
June 1977-Present      Station Cadet Engineer. Responsible for coordinating refueling outage planning & scheduling, under the title Assistant Outage Coordinator.
- BeeBee Power Station  
June 1974-June 1977      Co-op student.

Other Information:

- Obtained SRO license November 20, 1978, at Ginna Nuclear Station.
- Participates in SRO license requalification training and simulator training.
- Member Task Force formed after TMI Incident to evaluate Ginna Nuclear Station.

J. B. Zabinski

POSITION:

Station Cadet Engineer

EDUCATIONAL BACKGROUND:

- B.S. Nuclear Engineering, Rensselaer Polytechnic Institute, May 1978
- A.S. Engineering Science, Cayuga County Community College, 1976
- A.A.S. Business Administration, Cayuga County Community College, 1976

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
Sept 1978-Present      Station Cadet Engineer. Assigned to Technical Department.

Environmental Protection Agency

June 1978-Sept 1978      Analyzed occupational exposure data of radiation workers.

OTHER INFORMATION:

- Participated in training & experiments on test reactor at Rensselaer Polytechnic Institute.
- Member Task Force formed after TMI Incident to evaluate Ginna Nuclear Station.

T. Harding

POSITION:

Station Cadet Engineer

EDUCATIONAL BACKGROUND:

- B.S. Nuclear Engineering, Rensselaer Polytechnic Institute, May 1979

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
June 1979-Present Station Cadet Engineer. Assigned to Operations Department.

OTHER INFORMATION:

- Participated in training & experiments on test reactor at Rensselaer Polytechnic Institute.

T. Schuler

POSITION:

QC Engineer

EDUCATIONAL BACKGROUND:

- B. S. Industrial Engineering - Clarkson College of Technology, 1969
- Course in Magnaflux MagParticle, Liquid Penetrant, Visual Exam, 1974

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Jan 1979-Present      QC Engineer

- Operations, Main Office  
June 1975-Jan 1979      QA Engineer

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
June 1973-June 1975      QC Engineer

July 1971-June 1973      Engineer. Involved in setting up QA program & involved in annual refueling and maintenance outages.

- BeeBee Power Station  
Dec 1970-March 1971      Engineer. Working as lead engineer for precipitator testing.

Sept 1969-Dec 1970      Cadet Engineer. Assigned to Ginna Station working on data during initial fuel loading & reactor assembly & developed maintenance procedures for routing maintenance at Ginna Station.

June 1969-Sept 1969      Cadet Engineer. Shiftwork operations training.

Summer 66, 67, 68      Employed as a summer trainee at BeeBee Power Station as an auxiliary operator on shiftwork.

J.C. Bodine

POSITION:

Quality Control Inspection Engineer

EDUCATIONAL BACKGROUND:

- B.S. Electrical Engineering, Rochester Institute of Technology, 1974
- Reactor Theory, Ginna Training Program

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
1976-Present      Quality Control Inspection Engineer. Responsible for system modification projects, QC section - ISI, and SEP Environmental Qualification of Electrical Components.
- 1971-1974      Co-op student. Involved in performance of Health Physics and Chemistry activities.
- BeeBee Power Station  
1974-1976      Assisted with scheduling.

W.H. Backus

POSITION:

Operations Supervisor

EDUCATIONAL BACKGROUND:

- A.A.S. Mechanical Engineering, Rochester Institute of Technology, 1974
- Westinghouse Corp., Reactor Operator Training Program, 1967
- Westinghouse Corp., SNEC PWR Training Program, 1967
- Westinghouse Corp.- Ginna, Reactor physics, plant systems, 1967
- Nuclear Engineering Course, University of Rochester, 1967
- U. S. Navy, Machinist Mate School, Class A

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)
  - 1975-Present                      Operations Supervisor
  - 1967-1975                        Shift Foreman
- Station 8 Steam Power Plant
  - 1965-1967                        Boiler Operator First Class
  - 1959-1965                        Boiler Operator Second Class

U.S. Navy

1952-1956                      Machinist Mate, Engine Room

Other Information:

- Obtained SRO license in 1969 at Ginna Nuclear Station and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Obtained RO license at Westinghouse experimental reactor at Saxton, Pa. 1967.



D.P. Hamelink

POSITION:

Maintenance Supervisor

EDUCATIONAL BACKGROUND:

- Diploma - Architectural Drawing, Rochester Institute of Technology
- Diploma - Building Construction, Rochester Institute of Technology
- Certificate - Piping & Valve Technology, Rochester Institute of Technology
- Diesel Engine Repairman Course, U.S. Army
- ALCO diesel engine maintenance school
- FAG roller and ball bearing installation & maintenance course
- Grinnell valve course
- Locktite training course
- Westinghouse turbine maintenance school

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)
  - Oct. 1975-Present Maintenance Supervisor. Responsible for primary and secondary system maintenance during annual maintenance and refueling shutdowns. Special assignments include piping and support modifications, steam generator modifications, reactor coolant pump inspections. Responsible for purchasing of materials and spare parts.
  - Nov. 1974-Oct. 1975 Field Engineer.
- Steam Distribution
  - Feb 1965-Nov 1974 Field Engineer. Responsible for design and supervision of construction of district steam lines. Participated in annual maintenance and refueling outages at Ginna Station in 1972, 1973, and 1974.
  - Oct. 1960-Feb. 1965 Steamfitter.
- U. S. Army
  - 1956-1959 Responsible for maintenance and operation of diesel power plant supplying power for a remote radio relay site.

E.C. Edgar

POSITION:

I & C Supervisor

EDUCATIONAL BACKGROUND:

- Diploma - Electronic Technology, Williamsport Technical Institute, 1963
- Rochester Institute of Technology, Evening Division, 3 years
- U. S. Navy, "A" School Prep., Aviation Electronics, Radar School, 1956-1957
- Taylor Instrument Co., Instrumentation Course, 1967
- Westinghouse Corp., P-250 Computer Maintenance, 1968
- Westinghouse Corp., Analog E.H. Governor Maintenance, 1970
- Westinghouse Corp., Rod Control Systems, 1971
- Foxboro, Fundamentals of Electronic Instrumentation
- Woodward, Diesel Generator Governor School, 1976
- Westinghouse Corp., RCP Seals, 1978

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)
  - July 1979-Present I & C Supervisor
  - 1975-July 1979 I & C Foreman
  - 1968-1975 I & C Technician
- Beebee Power Station
  - 1963-1968 I & C Repairman

D. Gent

POSITION:

Results & Tests Supervisor

EDUCATIONAL BACKGROUND:

- A.A.S. Electronics Technology - Monroe Community College, 1970
- Instrumentation Technology Courses - Monroe Community College, Evening Division
- U.S. Air Force - 1961-1965
  - Electronics & Guidance Systems training (9 mo.)
  - Missile Crew Training (5 mo.)
- Agricultural Program, SUNY - Alfred, 1959-Jan. 1961

APPLICABLE WORK EXPERIENCE:

- Rochester Gas & Electric Corp.
- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)
    - June 1978-Present Results & Tests Supervisor.
    - March 1973-June 1978 I & C Technician
  - Relay Department
    - Oct 1968-March 1973 Relay test technician
  - Electric Meter Department
    - Feb 1965-Feb 1967 Meter Tester

OTHER INFORMATION:

- Reactor Theory Training, 1978.
- Systems Training, 1975.

R.W. Morrill

POSITION:

Training Coordinator

EDUCATIONAL BACKGROUND:

- Three years Electrical Engineering, Rochester Institute of Technology

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
June 1974-Present      Training Coordinator. Responsible for coordinating and training of NRC licensed and non-licensed personnel. Included establishment and implementation of training programs for staff personnel and maintenance of documentation of such training.
- Jan 1970-June 1974      Head Control Operator. In training program for SRO license  
June 1968-Jan 1970      In training program for RO license.
- BeeBee Power Station  
Mar 1958-June 1968      Operator. Responsible for turbine and boiler plant startup and operation, and system electrical switching.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1971 and continue to hold same license.
- Participate in SRO license retraining and simulator training.

R.A. Marchionda

POSITION:

Assistant Training Coordinator

EDUCATIONAL BACKGROUND:

- Machinist Mate "A" School, Great Lakes, Ill., 1963
- Submarine School, New London Conn., 1963
- Nuclear Power School, Mare Island, Cal., 1964
- Nuclear Power Training (SLW Reactor Prototype), Idaho Falls, Idaho, 1964-1965
- Engineering Laboratory Technician School, Idaho Falls, Idaho, 1965
- Inspection and cleaning techniques, New London, Conn., 1969

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Jan 1978-Present      Assistant Training Coordinator. Responsible for lesson plan preparation and classroom lectures for the license training program and license requalification program.
- June 1973-Jan 1978      Control Operator
- Jan 1971-June 1973      Auxiliary Operator
- U. S. Navy  
Sept 1967-Oct 1969      Mechanical Operator and Leading Engineering Laboratory Technician on USS Thomas Jefferson SSBN 618 (S5W Reactor).
- Aug 1965-Aug 1967      Instructor and Mechanical Operator at SLW Reactor Prototype, Idaho Falls, Idaho.
- Aug 1963-April 1964      Qualified in submarines, machinist mate on USS Tusk SS 426.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1978 and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- During several refueling shutdowns worked as fuel handler and also steam generator repair job foreman.

G.D. Meier

POSITION:

Assistant Training Coordinator

EDUCATIONAL BACKGROUND:

- Electronics Technician "A" School, Great Lakes, Illinois
- Basic Submarine School, New London, Connecticut
- Naval Nuclear Power School, Bainbridge, Maryland
- Naval Nuclear Power School and Prototype, West Milton, NY

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Oct 1975-Present      Assistant Training Coordinator. In January 1978 assigned as the Utility Lead Individual to the Procedure Development Group of the SNUPPS project. Previously responsible for training of licensed and nonlicensed personnel.

Dec 1973-Oct 1975      Reactor Operator assigned to the Training Department.

Mar 1969-Dec 1973      Auxiliary Operator.

U. S. Navy

May 1968-Mar 1969      Leading Electronics Technician-Submarine Trout SS566.

Aug 1966-May 1968      Reactor Operator/Technician-Nuclear Submarine John Adams SSBN620.

Apr 1964-Aug 1966      Reactor Operator/Instructor for General Electric Plant, West Milton, NY.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1974 and continue to hold same license.
- Participate in SRO license requalification training and simulator training.
- Temporarily assigned to the GPU Procedural Development Group at TMI to provide assistance with the development of special and emergency procedures on an as needed basis (April-May 1979).
- Refueling SRO-1977 Annual Inspection & Refueling Outage.

A.G. Morris

POSITION:

Assistant Training Coordinator

EDUCATIONAL BACKGROUND:

- U.S. Navy Nuclear Power School and Prototype
- U.S. Navy Engineering Laboratory Technician School
- Earned 71 credit hours Rochester Institute of Technology, Evening Division, 2 years toward a B.S. in Industrial/Mechanical Engineering

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
June 1979-Present Assistant Training Coordinator

June 1978-June 1979 Control Operator

Sept. 1973-June 1978 Auxiliary Operator

Westinghouse Electric Corp.

1971-1973

Involved in refueling and/or steam generator inspection/repair in various Westinghouse FWR's world wide.

U.S. Navy

1963-1971

Involved in the Nuclear Program including:  
Instructor at DLG Prototype-West Milton, NY (3 yrs.)

Attained rank as E-6. Qualified as Engineering Watch Supervisor and Leading Engineering Laboratory Technician.

OTHER INFORMATION:

- Obtained RO license at Ginna Nuclear Station in 1974 and continue to hold same license.
- Participates in RO license requalification training and simulator training.
- Assigned to Task Force that was formed after TMI accident to evaluate and implement changes at Ginna Station. Directly involved in rewriting of plant emergency procedures.
- Temporarily assigned to TMI to provide as needed assistance to the Engineering Department (April-May 1979).

E.L. DeMeritt

POSITION:

Supervisor of Chemistry & Health Physics

EDUCATIONAL BACKGROUND:

- M. S. Environmental Health, University of Michigan, 1967
- B. S. Chemistry, University of Michigan, 1948
- Radiation Monitoring System Training, Tracerlab Inc., 1968
- Nuclear Theory Course, Stoller Assoc. 1965
- Nuclear Theory Laboratory Course, University of Rochester 1965

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
May 1978-Present      Supervisor of Chemistry & Health Physics  
1968-May 1978      Health Physicist
- Chemical/Environmental Laboratory  
1960-1968      Chemist

OTHER INFORMATION:

- Health Physics Training at Hanford Project (3 mo), Dresden Nuclear Station (3 mo.), Indian Point Nuclear Station (1 mo), 1967.
- Member Power Plant Health Physicists Group of EEI.



B.R. Quinn

POSITION:

Health Physicist

EDUCATIONAL BACKGROUND:

- M. S. Environmental Health, University of Michigan, 1967
- B. S. Chemistry, Rochester Institute of Technology, 1962
- Nuclear Theory Course, Stoller Assoc. 1965
- Nuclear Theory Laboratory Course, University of Rochester 1965
- Radiation Monitoring System Training, Tracerlab Inc., 1968
- Radionuclide Analysis by Gamma Spectroscopy Course, 1968
- Environmental Radiation Surveillance for Nuclear Power Plants Course, 1974
- Liquid Scintillation Counting Methodology Course, 1977
- Quantitative Testing of Respiratory Apparatus Course, 1978

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
1968-Present Health Physicist.
- Chemical/Environmental Laboratory  
1962-1968 Chemist responsible for power station steam & water treatment.  
1958-1962 Co-op Student.

OTHER INFORMATION:

- Health Physics Training at Savannah River Power Plant (4 mo.) and Indian Point Power Plant (5 mo.).

A. Harhay

POSITION:

Chemist

EDUCATIONAL BACKGROUND:

- B. S. Chemistry, Rochester Institute of Technology, 1968
- A. A. S. Chemistry, Rochester Institute of Technology, 1965
- Graduate Courses, Business Administration, Rochester Institute of Technology

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Nov 1977-Present      Chemist- Secondary System Water Treatment including Condensate Polishing system.
- Power Stations 7, 8, & 9  
Oct 1969-Nov 1977      Chemist- Fossil Plant Water Chemistry.
- Environmental & Chemical Laboratory  
Sept 1968-Sept 1969      Control Chemist- Water Analysis and Special Projects.  
Jan 1966-Sept 1968      Co-op student.



D.L. Filkins

POSITION:

Chemist

EDUCATIONAL BACKGROUND:

- B. S. Chemistry, Rochester Institute of Technology, 1966
- Health Physics Course, University of Michigan, 1973

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Dec 1968-Present      Chemist. Responsible for secondary chemistry. Prior to plant startup established secondary chemistry lab. Also assisted the Health Physics department and helped with special projects on the primary system.
- Power Station #7,8,&9  
1966-1968      Water chemistry control.
- Environmental/Chemical Laboratory  
1964-1966      Technician.

D. E. Fillion

POSITION:

Radiochemist

EDUCATIONAL BACKGROUND:

- B. S. Chemistry, Washington State University, 1962
- Graduate Courses, Idaho State University

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
Sept 1976-Present Radiochemist.

Interex Corporation

March 1974-March 1976 Responsible for the wet analysis of the various environmental samples required from the area surrounding several nuclear power plants.

Nuclear Radiation Development, Inc.

May 1969-Feb 1974 Responsible for seventy percent of plant production and fabrication of sources for industrial use.

Idaho Nuclear Corp.

July 1963-May 1969 Radiochemist. Responsible for radiochemical analytical separations for special experimental programs run at NPTS including corrosion studies, fuel burn-up programs, reprocessing plant samples and environmental pollution studies.

Phillips Petroleum Co., Atomic Energy Division

April 1962-July 1963 Health Physicist.

E. Gordon

POSITION:

Technical Assistant to the Health Physicist

EDUCATIONAL BACKGROUND:

- B.S. Health Physics, University of Lowell, Mass. 1977

APPLICABLE WORK EXPERIENCE:

Rochester Gas &amp; Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
March 1979-Present      Technical Assistant to the Health Physicist.

Northeast Utilities

- Millstone Nuclear Power Station, Unit I (GE - BWR)  
May 1978-Mar 1979      ALARA Coordinator. Established an ALARA program, assisted with Emergency planning, and helped institute a dosimetry and exposure tracking computer system.
- Millstone Nuclear Power Station, Unit II (CE-PWR)  
Oct. 1977-May 1978      Health Physics Technician.

Harvard University

- July 1977-Sept. 1977      Laboratory instructor for the 1977 International Atomic Energy Congress.

Applied Health Physics

- Nine Mile Point Nuclear Power Station (GE -BWR)  
May 1977-June 1977      Health Physics Technician. Assigned to assist with feedwater sparger cladding removal - dose and area monitoring.

University of Lowell

Summer 1974, 1975

Health Physicist. Responsible for Health Physics for 5.5 Mev Vandergraff accelerator, 1 MW Swimming Pool Reactor, and Radiochemistry Labs.

E.J. Beatty

POSITION:

Special Projects Coordinator

EDUCATIONAL BACKGROUND:

- Westinghouse Corp., Reactor Operator Training Program, 1967
- Westinghouse Corp., SNEC FWR Training Program, 1967
- Westinghouse Corp., Ginna, Reactor Physics, plant systems, 1967
- Nuclear Theory Laboratory, University of Rochester, 1967

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - FWR)  
1975-Present                      Special Projects Coordinator.

1968-1975                      Shift Foreman.

- BeeBee Power Station  
1947-1967                      Operations Department.

- Hydro Power Station #4  
1946-1947                      Operator.

OTHER INFORMATION:

- Obtained SRO license at Ginna Nuclear Station in 1969 and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Received RO license at Westinghouse experimental reactor at Saxton, Pa., 1967.

J. E. Straight

POSITION:

Fire Protection and Safety Coordinator

EDUCATIONAL BACKGROUND:

- Westinghouse Corp., Reactor Operator Training Program, 1967
- Westinghouse Corp., SNEC PWR Training Program, 1967
- Westinghouse Corp.- Ginna, Reactor physics, plant systems, 1967
- Nuclear Theory Course, University of Rochester, 1967
- U. S. Navy, Machinist School, Submarine School, Diesel School
- Essentials of Firemanship
- Hale Pump Operators Course
- Hazardous Materials Handling Course
- Officers Training Course
- Niagara Mohawk Fire School for Instructors
- Scott Air-Pak Field Level Maintenance Course
- Introduction to Industrial Fire Protection Course
- Fire Protection Program for Operations Phase

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)
  - June 1978-Present      Fire Protection and Safety Coordinator
  - 1967-June 1978      Shift Foreman
- Russell Power Station
  - 1959-1967      Head Boiler Operator
  - 1950-1959      Boiler Operator

Other Information:

- Obtained SRO license in 1969 at Ginna Nuclear Station and continue to hold same license.
- Participates in SRO license requalification training and simulator training.
- Obtained RO license at Westinghouse experimental reactor at Saxton, Pa. 1967
- Member task force for fire protection-system modifications.
- Ginna Station Safety Committee Chairman.
- First Assistant Chief, Clifton Fire Department.



W.K. Dillon

POSITION:

Staff Assistant-Nuclear Safety

EDUCATIONAL BACKGROUND:

- M. S. Education, SUNY - Brockport, NY
- B. S. Criminal Justice, Empire State

APPLICABLE WORK EXPERIENCE:

Rochester Gas & Electric Corp.

- R. E. Ginna Nuclear Power Station (Westinghouse - PWR)  
1977-Present                      Nuclear Security.

New York State Police Dept.

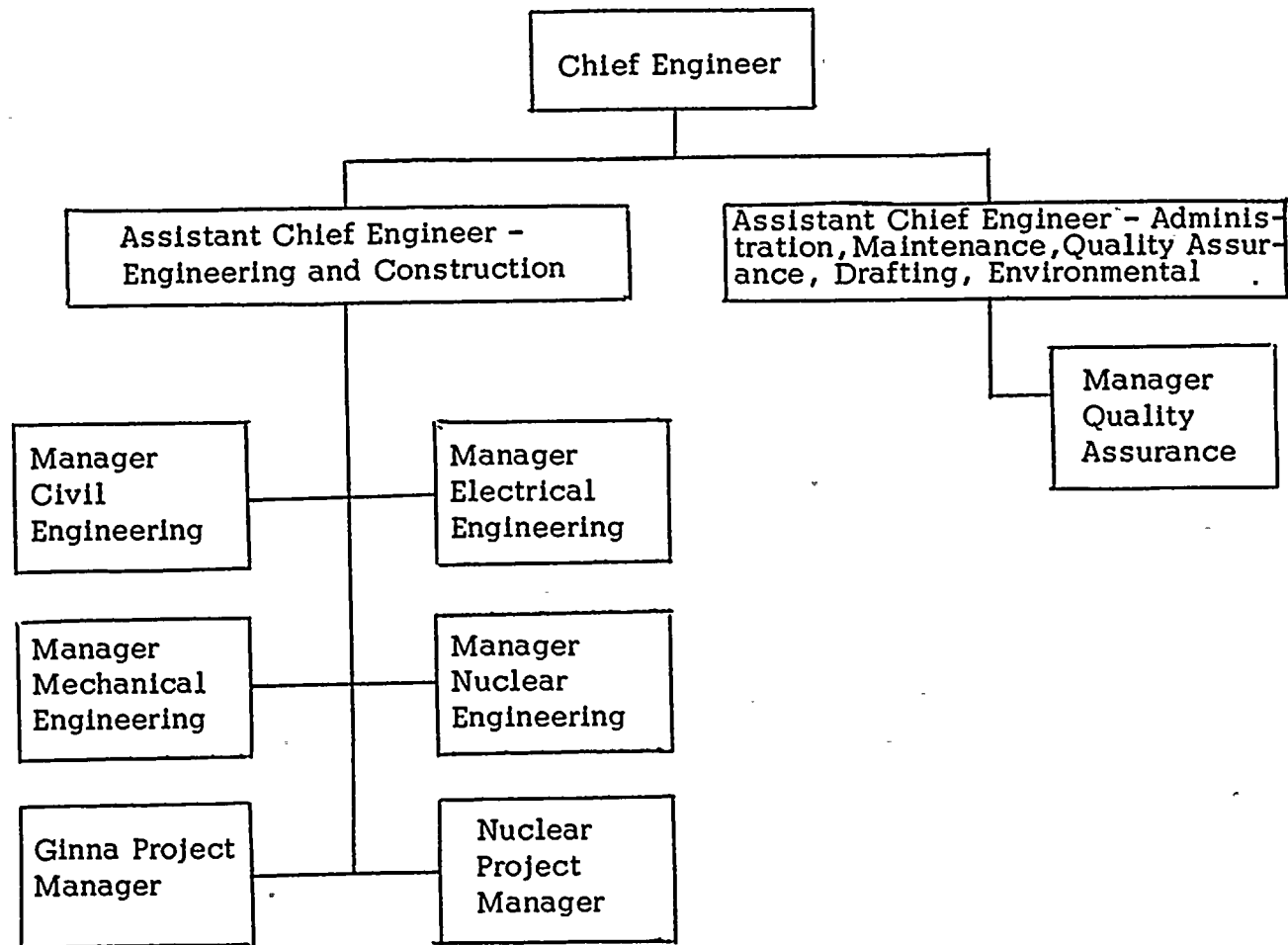
1956-1977

Retired at rank of Captain. Responsible for crowd and mob control, including development and implementation of plans for these events. Also responsible for planning during natural and man made disasters.



ROCHESTER GAS AND ELECTRIC CORPORATION

ENGINEERING DEPARTMENT ORGANIZATION



Attachment C-1

## Attachment C-2

## OFFSITE ENGINEERING TECHNICAL STAFF

### CHIEF ENGINEER

Responsible for the following:

- a. Providing management direction to engineering, construction, drafting and maintenance personnel.
- b. Establishing and implementing an Engineering Procedures Manual containing written procedures controlling all engineering activities (e.g., design control) affecting quality.
- c. Approving all engineering procedures.
- d. Reviewing the manual biennially.
- e. Establishing an indoctrination and training program for engineering personnel.
- f. Reviewing station procedures (e.g., operating, fuel handling, maintenance and repair procedures) when requested by the Ginna Station Superintendent.

### ASSISTANT CHIEF ENGINEERS

The Assistant Chief Engineers provide administrative and technical direction necessary to coordinate the activities of subordinate engineering personnel to accomplish projects or tasks assigned by the Chief Engineer. The Assistant Chief Engineer, Engineering and Construction, is responsible for management of engineering and construction activities. He also provides for the supervision and coordination of the Engineering Managers activities. The Assistant Chief Engineer, Administration, Maintenance, Quality Assurance, Drafting, and Environmental, is also responsible for establishing record and document storage facilities.

### ENGINEERING MANAGERS

The Manager Civil Engineering, Manager Electrical Engineering, Manager Mechanical Engineering and Manager Nuclear Nuclear Engineering are responsible for the following:

- a. Supervise design and procurement activities for plant modifications.
- b. Review design and procurement documents as required.
- c. Approve design and procurement documents.
- d. Approve nonconformance dispositions.
- e. Review of Corrective Action Reports (CAR) related to design deficiencies, recommendation and implementation of corrective action.
- f. Perform design reviews as required.
- g. Approve safety analyses (only Manager Nuclear Engineering).

As assigned by the Assistant Chief Engineer, Engineering Managers lead and coordinate projects including discipline interfaces and assign portions of the projects to a Responsible Engineer.

### RESPONSIBLE ENGINEERS

Responsible for the following:

- a. Prepare design and procurement documents.
- b. May review design and procurement documents.
- c. Evaluate qualification test results associated with design.
- d. Review repair procedures.
- e. Prepare safety analysis.

### GINNA PROJECT MANAGER

The Ginna Project Manager is responsible for cost and schedule of the design, procurement, and construction activities associated with the Ginna Station Modification Project. In this capacity the Project Manager directs the activities of Rochester Gas and Electric (RG&E) project personnel and is responsible for the direction of Gilbert/Commonwealth (Gilbert Associates, Incorporated (GAI) ) and other contractors and architect/engineers assigned project responsibilities.

### MANAGER, QUALITY ASSURANCE

The Manager, Quality Assurance, is responsible for establishing and executing the overall quality assurance program. Specific functional responsibilities for the Manager, Quality Assurance, and his staff are delineated in Quality Assurance Procedures.

### NUCLEAR PROJECT MANAGER

The Nuclear Project Manager is responsible for project direction, cost and schedule for the design, construction and procurement activities of the Sterling Nuclear Unit No. 1. He has the authority to perform or direct a staff to perform all the activities necessary for designing and constructing the unit.

## ATTACHMENT C-2

TECHNICAL STAFF (OFFSITE)ENGINEERING DEPARTMENT

1. Total number managers, engineers and professional personnel: 51

2.\* Total number degrees received:

AS Economics -3  
 AS Instrument Technology -1  
 AS Bus Ad -1  
 AS EE -1  
 AS Applied Sciences -3  
 ASME -2  
 BSEE -8  
 BS Physics 1  
 BSCE -10  
 BSME -14  
 BS Ceramic E-1  
 BS Welding E-1  
 BS Math/Physics -1  
 BS Math -1  
 BS Engineering Sciences -1  
 BS Engineering Physics -1  
 BS Environmental Sciences -1  
 BT-1  
 MS Physics -1  
 MSEE -5  
 MSCE -1  
 MSME -4  
 MSNE -4  
 MS Radiological Health -1  
 MS Management -1  
 MS Engineering -1  
 PhDCE -1  
 PhDNE -1

3\*\* Technical experience (man-years)

a. Engineering

(1) Nuclear power-related	<u>345</u>
(2) Engineering management	<u>116</u>
(3) Total utility (including non-RG&E)	<u>611</u>
(4) Total applicable (including teaching, vendor, consulting)	<u>722</u>



## b. Field of specialization

	nuclear	non-nuclear	total
(1) Systems analysis	48	9	57
(2) Nuclear fuel	13		13
(3) Health physics	6		6
(4) Civil	45	207	252
(5) Mechanical	47	52	99
(6) Plant operations	37	9	46
(7) Materials and metalurgy	9	12	21
(8) Instrumentation and control	21	15	36
(9) Nuclear Navy Programs (SSN)	4	0	4
(10) Thermal hydraulic	4	2	6
(11) Electrical	18	25	43
(12) Management	12	16	28
(13) Quality Assurance	49	7	56
(14) Construction and Startup	41	9	48
(15) Training	1	0	1
(16) Plant Design	6	0	6

## \* Miscellaneous related education:

NUS Fuel Seminar  
 IEEE Standard Nuclear Reliability Seminar  
 ASNT Level III (VT, PT, RT, UT, ET)-2  
 Westinghouse Reactor Operator and Ginna Systems School  
 Westinghouse Reactor Operator and Systems School  
 Westinghouse PWR Information Course-2  
 Bettis Naval Nuclear Power School-2  
 US Naval Nuclear Power School-4  
 EIT Certificates-5  
 Land Surveyor License  
 NRC License Expired-5  
 PE License-16  
 Newport News Md Corp "GC&NDE"  
 Naval Nuclear Power Training Unit, Idaho Falls  
 QA/QC Certificates: NDE level III inspection, liquid penetrant level II, magnetic particle level II, ultrasonic testing level II, visual weld inspection level II  
 MIT Reactor Safety  
 ASME CEVS  
 Radiation Management Corp Environmental Surveillance  
 French CEA nuclear research centers at Saclay and Caderache  
 Additional Courses: nuclear power, nuclear theory, QA, technical writing, management, nuclear engineering, statistical analysis, NDE, radiation monitoring, OSHA, construction inspection, SO<sub>2</sub> removal systems, radiation biology, environmental standards

**\*\* Additional pertinent information**

Ex-Director Reactor Physics and Core Characteristics Division,

US Naval Nuclear Power School

Lecturer Nuclear Engineering, U of Rochester

Member IEEE Nuclear Plant Security Working Group

Member ASME Section XI subgroup - Water Cooled Systems

Member EPRI subcommittee on Nuclear Pressure Vessels

Chairman EEI-QATF Training Committee

Members ANS Standards Committees (51.9 - Operator Actions, 51.6 - Single

Failure Criteria, 59.5 - Emergency Cooldown)

Member Ginna NSARB

Section Chairman ASME

Engineer HTGR Operation and Startup - Peach Bottom

RG&E has a contractual arrangement with Westinghouse Electric Corporation for provision of technical support for Ginna Station operations. This agreement covers the full range of Westinghouse nuclear services. Support is available on an around-the-clock basis and may be authorized by the Plant Superintendent, an Engineering Manager or higher management.

Bell-Schneider could be drawn upon for engineering, construction management and QA/QC support. Available by telephone call during normal working hours at the authorization of the Ginna Nuclear Project Manager or higher management.

NUS could be drawn upon for QA/QC support. Available by telephone call during normal working hours at the authorization of the Ginna Station Plant superintendent or higher management.

Catalytic, Inc. could be drawn upon for design and procurement services. Available by telephone call at the authorization of an Engineering Manager or higher management.

Gilbert - Commonwealth, Inc. could be drawn upon for full technical support in response to an emergency. They could supply 30-50 graduate engineers with nuclear experience on 24 hour call. Authorization would be by an Engineering manager or higher management.

Steve Saiki, P.C. could be drawn upon for full technical support in response to an emergency. They could supply 3 graduate engineers without nuclear experience on 24 hour call. Authorization would be by an Engineering manager or higher management.

Sear-Brown, P.C. could be drawn upon for full technical support in response to an emergency. They could supply 75 graduate engineers without nuclear experience on 24 hour call. Authorization would be by an Engineering manager or higher management.

Eardman-Anthony, P.C. could be drawn upon for full technical support in response to an emergency. They could supply 30-50 graduate engineers without nuclear experience on 24 hour call. Authorization could be by an Engineering manager or higher management.

